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THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME

FISH BULLETIN 144

THE CALIFORNIA MARINE FISH CATCH FOR 1967

By

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Marine Resources Operations

1968

MAP OF
CALIFORNIA
SHOWING
STATISTICAL AREAS
N
Crescent City
DEL NORTE
Eureka
HUMBOLDT
EUREKA
AREA
Ft. Bragg
MENDOCINO
SACRAMENTO
AREA
LAKE
SONOMA
SAN FRANCISCO
AREA
MARIN
Pittsburg
San Francisco
SANTA CRUZ
MONTEREY
AREA
Monterey
MONTEREY
SAN LUIS OBISPO
SANTA BARBARA
AREA
SANTA BARBARA
VENTURA
LOS ANGELES
Santa Barbara
LOS ANGELES AREA
San Pedro
ORANGE
Newport
SAN DIEGO AREA
SAN DIEGO
San Diego

FIGURE 1

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FOREWORD

Catch bulletins provide records of the amounts and values of various living marine resources taken by California's commercial fisheries, and summarize the catches made by the partyboat sportfishing industry. They also detail the small quantities of freshwater fish taken commercially in inland areas. These data provide the basic background for managing California's commercial fishery resources. The published figures are of national and international significance, and are used by fisheries scientists, legislators, educators, members of the fishing industry, and others interested in the State's fisheries.

This report for 1967 is the 27th in the series of catch bulletins. The first, published in 1929, contained the records of the 1926 and 1927 commercial fish catches.

California's fishery statistics are based on a system whereby fish dealers, processors, and partyboat operators send duplicate copies of their landing records to the Department. The statistical system and methods used to collect the records were fully described in Fish Bulletin 86, which reported the catch for 1950. In the intervening years, methods and equipment have been modified as conditions warranted, but the basic principles have remained unchanged.

Credit for this publication belongs to the personnel of the Biostatistics Unit who process the many documents necessary for its publication. Special acknowledgment is given to the wardens along the coast and the clerks in the field offices whose efforts insure the completeness of the records. We appreciate as well the cooperation of the many wholesale fish dealers and canners.

EXPLANATION OF TABLES

The tables in this bulletin summarize the statistics of the various fishery operations in California during 1967. Five types of activity are being reported this year: landings of commercial fishermen in California; imports of tuna from other states or foreign countries destined for processing in California; sport catches of the partyboat fleet; landings of inshore species used for bait; and catches of boats supplying live bait for sportfishing. In addition, Appendix A shows the species composition of the salmon catch for 1967.

The statistics presented in this publication do not encompass all of the fishing activities in the State since not all of these activities are reported. For example: sportfishing from private boats or from shore is not reported, nor is the importation of fish for use in a fresh state. Department biologists do sample some facets of the sportfishery, but since this is part of specific studies, most of the results are not reported here.

The Department annually publishes a circular which enumerates some of the fishery products produced from the catch. The 1967 figures are contained in circular No. 42, "Statistical Report of Fresh, Canned, Cured, and Manufactured Fishery Products for 1967" (Heimann and Frey, 1968).

SOURCE OF DATA

Data on each commercial landing and import are recorded on receipts by fish dealers or processors at the time of delivery. Copies of these documents are transmitted to the Department twice each month. For each transaction, the dealer is required to provide the weight of each species and the price paid to the fishermen. The date of the transaction, the fisherman's name, the fishing boat registration number, and intended use of the fish (canning, fresh, etc.) are also required. In addition, the specific area where the fish were caught and the type of gear used are usually reported.

Partyboat catch data are obtained from logs completed by the boat operator. The log for each trip includes the number of each species taken, the number of anglers, the number of hours fished, and the specific area fished. The date, boat name, and boat registration number are also furnished. Copies of these records are sent to the Department monthly.

Operators of boats supplying live bait keep a voluntary daily log showing the number of sets, the species caught, the area fished, and the number of scoops of bait sold. Copies of these logs are furnished the Department monthly. These records represent almost all the live bait landings; nevertheless, the reported catch should be regarded as minimal.

Clerical personnel at field offices at Eureka, San Francisco, Monterey, Terminal Island, and San Diego maintain contact with fish dealers and local Fish and Game Wardens to insure that the records are accurate

and transmitted promptly. All data received by the Department are carefully edited to insure correctness and coded to facilitate processing. The data are then punched into cards and summarized with electric tabulating machines.

STATISTICAL AREAS

The State is divided into seven areas for the purpose of reporting fisheries statistics (Figure 1). Each statistical area is named for a major port within its boundaries. Sacramento area landing statistics are incorporated with San Francisco totals in the tables.

SPECIES

The common and scientific names of the species reported in 1967 are listed in Table 1. Some varieties are reported only collectively when, for economic or other reasons, a specific separation is not practical. A further combination of species is made in preparing the tables.

The "Miscellaneous (Animal Food)" category consists of a variety of low value species caught by trawling. Since it is impractical for the dealers to report the many species separately, Department biologists periodically sample this catch to determine its species composition. Based on this sampling, the percentage and weight compositions of the 1967 animal-food category are as follows:

Species	*Percent*	*Pounds*
Sablefish	30.5	793,374
Hake	19.7	510,916
Arrowtooth flounder	15.1	392,533
Rockfish	13.2	343,466
English sole	8.4	217,295
Dover sole	4.2	108,258
Rex sole	2.2	56,076
Twenty four other species	6.7	174,200
	100.0	2,596,118

Salmon catches reported in the tables are for all species combined. However, biologists from the Department's Marine Resources Branch sample the commercial and sport salmon fisheries to determine the species composition of the catches and to obtain estimates of the unreported catch from skiffs. The sampling methods and results for 1952 through 1965 previously have been detailed (Jensen and Swartzell, 1967), and the results for 1966 were presented in Fish Bulletin 138. Appendix A details the salmon catch for 1967.

CONDITION

Most fish and shellfish are landed in a round condition; however, some species, such as salmon and swordfish, are usually eviscerated or cleaned before being brought ashore. The condition of fish landed or shipped into the State cannot always be determined, so the tables summarize the weights as reported to the Department without regard to condition.

Since 1963, oyster landings have been reported as packed weight rather than weight in the shell. The packed weight is estimated to be 15.5 percent of the live weight for Pacific oysters; 10.9 percent for eastern oysters.

Landings reported in measurements other than weight are equated to pounds using conversion factors determined by periodic sampling. The factors used in 1967 were:

Abalone, red	50 pounds per dozen
Abalone, pink	25 pounds per dozen
Abalone, white	25 pounds per dozen
Abalone, green	35 pounds per dozen
Clam, Washington	7 pounds per dozen
Crab, market	2 pounds each
Live bait	12.5 pounds per scoop

VALUE

Value is computed from prices paid to the fishermen. The area value figures are ascertained by summing the value of all the individual landings in that area. The value for an individual port within an area is calculated from the weights of each species landed at that port and the average price paid for the species in that area. When the price paid for an individual landing is not specified, the average price paid for the species in the area is used.

INSHORE BAIT

The inshore bait fishery takes several kinds of fish and invertebrates from bays, rivers, and intertidal regions for sale as bait. Records of this fishery have been published as a separate summary in the Catch Bulletin since 1963. This year these landings are being reported for both 1966 and 1967, since the 1966 data were not available for publication last year. Conversion factors used for inshore bait for 1966 and 1967 were as follows:

Crab, sand	.041 pound per dozen
	4.5 pounds per gallon
Crab, shore	.013 pound per dozen
Mudsucker	.465 pound per dozen
Mussel	80 pounds per sack
Sculpin, staghorn	.465 pound per dozen
Shrimp, ghost	.082 pound per dozen

REFERENCES

Heimann, Richard F. G., and Herbert W. Frey. 1968. Statistical report of fresh, canned, cured and manufactured fishery products for 1967. Calif. Dept. Fish and Game, Circular, (42):1–15.

Jensen, Paul T., and Phillip G. Swartzell. 1967. California salmon landings 1952 through 1965 Calif. Dept. Fish and Game, Fish Bull., (135):43–57.

TABLE 1

Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1967 Catch

Common name	Scientific name
FISHES	
Anchovy	*Engraulis mordax*
Barracuda, California	*Sphyraena argentea*
Bass, rock	
Kelp bass	*Paralabrax clathratus*
Sand bass	*Paralabrax nebulifer*
Blacksmith	*Chromis punctipinnis*
Bonito, Pacific	*Sarda chiliensis*
Cabezon	*Scorpaenichthys marmoratus*
Cabrilla, spotted	*Epinephelus analogus*
Carp	*Cyprinus carpio*
Croaker	
White	*Genyonemus lineatus*
Queenfish	*Seriphus politus*
Dolphinfish	*Coryphaena hippurus*
Eel	
California moray	*Gymnothorax mordax*
Wolf	*Anarrhichthys ocellatus*
Flounder	
Arrowtooth	*Atheresthes stomias*
Starry	*Platichthys stellatus*
Small amounts of other flatfishes	
Flyingfish	*Cypselurus* spp.
Grouper	*Mycteroperca* spp.
Hake, Pacific	*Merluccius productus*
Halfmoon	*Medialuna californiensis*
Halibut	
California	*Paralichthys californicus*
Pacific	*Hippoglossus stenolepis*
Hardhead	
Sacramento blackfish	*Orthodon microlepidotus*
Hardhead	*Mylopharodon conocephalus*
Herring, Pacific	*Clupea pallasi*
Hitch	*Lavinia exilicauda*
Lingcod	*Ophiodon elongatus*
Mackerel	
Bullet	*Auxis thazard*
Jack	*Trachurus symmetricus*
Pacific	*Scomber japonicus*
Mudsucker, longjaw	*Gillichthys mirabilis*
Opaleye	*Girella nigricans*
Perch	Member of family Embiotocidae
Pompano, Pacific	*Peprilus simillimus*
Rockfish	All species of *Sebastodes* and *Sebastolobus*
Sablefish	*Anoplopoma fimbria*
Salmon	
King	*Oncorhynchus tshawytscha*
Pink	*Oncorhynchus gorbuscha*
Silver	*Oncorhynchus kisutch*
Sanddab	*Citharichthys sordidus*
Sardine	*Sardinops caeruleus*
Sargo	*Anisotremus davidsoni*
Sculpin	*Scorpaena guttata*
Sculpin, Pacific Staghorn	*Leptocottus armutus*
Sea bass, giant	*Stereolepis gigas*
Seabass, white	*Cynoscion nobilis*
Shad	*Alosa sapidissima*
Shark	
Blue	*Prionace glauca*
Bonito	*Isurus oxyrinchus*
Leopard	*Triakis semifasciata*
Pacific angel	*Squatina californica*
Soupfin	*Galeorhinus zyopterus*
Spiny dogfish	*Squalus acanthias*
Thresher	*Alopias vulpinus*
Small amounts of others	
Sheephead, California	*Pimelometopon pulchrum*
Skate	
Bat ray	*Myliobatis californicus*
Big skate	*Raja binoculata*
California skate	*Raja inorata*
Longnose skate	*Raja rhina*
Shovelnose guitarfish	*Rhinobatos productus*
Small amounts of others	
Smelt	
Eulachon	*Thaleichthys pacificus*
Jacksmelt	*Atherinopsis californiensis*
Nightsmelt	*Spirinchus starksi*
Surf	*Hypomesus pretiosus*
Smelt, whitebait	*Allosmerus elongatus* *Spirinchus starksi* Young of several others
Sole	
Dover	*Microstomus pacificus*
English	*Parophrys vetulus*
Petrale	*Eopsetta jordani*
Rex	*Glyptocephalus zachirus*
Sand	*Psettichthys melanostictus*
Small amounts of others	
Swordfish	*Xiphias gladius*
Tuna	
Albacore	*Thunnus alalunga*
Bigeye	*Thunnus obesus*
Bluefin	*Thunnus thynnus*
Skipjack	*Katsuwonus pelamis*
Yellowfin	*Thunnus albacares*
Turbot	
Curlfin	*Pleuronichthys decurrens*
Diamond	*Hypsopsetta guttulata*
Hornyhead	*Pleuronichthys verticalis*
Small amounts of others	
Wahoo	*Acanthocybium solanderi*
Whitefish, ocean	*Caulolatilus princeps*
Yellowtail, California	*Seriola dorsalis*
CRUSTACEANS	
Crab	
Market	*Cancer magister*
Rock	*Cancer productus* *Cancer antennarius* *Cancer anthonyi*
Sand	*Emirita analoga*
Shore	*Hemigrapsus oregonensis* *Pachygrapsus crassipes*
Lobster, spiny	*Panulirus interruptus*
Prawn	
Spot	*Pandalus platyceros*
Ridgeback	*Eusicyonia ingentis*
Shrimp	
Bay	*Crago franciscorum* *Crago nigricauda*
Ghost	*Calianassa californicus*
Ocean	*Pandalus jordani*
Red	*Hippolysmata californica*
MOLLUSKS	
Abalone	
Black	*Haliotis cracherodii*
Green	*Haliotis fulgens*
Pink	*Haliotis corrugata*
Red	*Haliotis rufescens*
White	*Haliotis sorenseni*
Clam	
Freshwater	*Corbicula fluminea*
Gaper	*Tresus nuttalli*
Jackknife	*Tagelus californianus*
Purple	*Sanguinolaria nuttalli*
Washington	*Saxidomus nuttalli*
Mussel	
Bay	*Mytilus edulis*
Rock	*Mytilus californianus*
Octopus	*Octopus* spp.
Oyster	
Eastern	*Crassostrea virginica*
Giant Pacific	*Crassostrea gigas*
Squid	*Loligo opalescens*

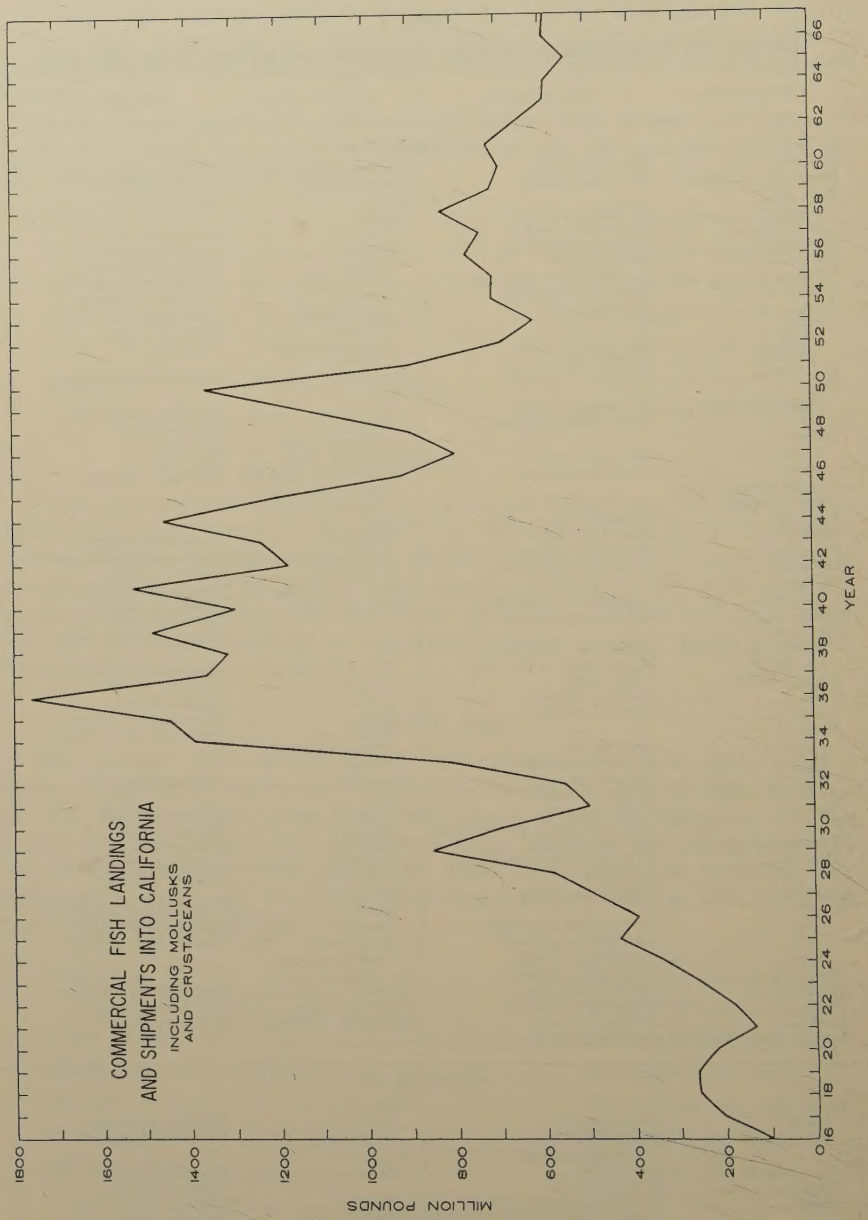

FIGURE 2. Total annual landings and shipments into California (see Table 2). Sardine deliveries to reduction ships, 1930–38, are included. Since 1965, tunas are the only species included in shipments.

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans; Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

Year	Thousands of pounds	Year	Thousands of pounds
1916	95,003	1941	1,529,148
1917	209,877	1942	1,173,414
1918	261,134	1943	1,234,049
1919	266,270	1944	1,459,446
1920	222,004	1945	1,216,467
1921	135,348	1046	919,850
1922	182,343	1947	795,499
1923	253,875	1948	900,540
1924	340,446	1949	1,135,325
1925	437,502	1950	1,366,596
1926	394,964	1951	904 088
1927	487,166	1952	694,977
1928	583,527	1953	618,899
1929	856,854	1954	713,406
1930	702,189	1955	710,714
1931	502,390	1956	772,549
1932	556,139	1957	738,550
1933	821,805	1958	832,919
1934	1,390,799	1959	713,491
1935	1,448,017	1960	694,663
1936	1,764,900	1961	725,253
1937	1,362,984	1962	663,107
1938	1,310,596	1963	592,899
1939	1,486,535	1964	591,131
1940	1,297,517	1965*	544,480
		1966	591,533
		1967	589,028

* Beginning in 1965 only tuna shipments are recorded.

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds *

1966				*1967*			
Species	Rank	Thousands of pounds	Thousands of dollars	Species	Rank	Thousands of pounds	Thousands of dollars
Yellow tuna	1	189,845	$38,115	Yellowfin tuna	1	167,252	$25,387
Albacore tuna	2	73,909	17,306	Skipjack tuna	2	114,959	11,767
Skipjack tuna	3	65,226	9,285	Albacore tuna	3	71,748	17,193
Anchovy	4	62,280	644	Anchovy	4	69,609	701
Jack mackerel	5	40,862	1,424	Jack mackerel	5	38,181	1,447
Bluefin tuna	6	37,939	5,804	Pacific bonito	6	21,219	891
Pacific bonito	7	19,148	761	Squid	7	19,602	438
Squid	8	19,026	451	Bluefin tuna	8	13,736	1,667
Market crab	9	12,376	1,880	Market crab	9	11,716	2,033
Dover sole	10	10,312	687	Rockfish	10	9,799	680
Rockfish	11	10,064	660	Salmon	11	7,402	3,945
Salmon	12	9,447	4,845	Dover sole	12	7,215	466
Abalone	13	4,964	915	English sole	13	5,822	510
English sole	14	4,845	421	Abalone	14	4,422	860
Pacific mackerel	15	4,630	189	Sablefish	15	3,798	315
Sablefish	16	3,216	231	Petrale sole	16	2,769	355
Petrale sole	17	2,927	391	Miscellaneous (animal food)	17	2,596	52
Bigeye tuna	18	2,878	557	Rex sole	18	1,766	149
Miscellaneous (animal food)	19	2,380	44	Bigeye tuna	19	1,481	207
Rex sole	20	1,635	132	Ocean shrimp	20	1,413	164
All others		13,624	2,557	All others		12,523	2,221
Totals		**591,533**	**$87,299**	**Totals**		**589,028**	**$71,448**

* Only the tunas are included in the shipments.

TABLE 4

Number of Licensed Commercial Fishermen

Area of residence	License year*	
	1966–67	1967–68
Eureka	1,695	2,016
Sacramento	437	454
San Francisco	1,417	1,648
Monterey	686	757
Santa Barbara	944	947
Los Angeles	2,020	1,912
San Diego	1,611	1,600
Alaska, Washington and Oregon fishermen licensed in California	478	450
Mexican nationals licensed in California	43	12
Other	26	27
Totals	**9,357**	**9,823**

* April 1 to March 31.

TABLE 5

Number of Registered Fishing Boats by Length

License year*	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 to 99 feet	100 feet and over	Total
1966–67	1,357	1,681	1,077	125	29	99	4,368†
1967–68	1,550	1,773	1,081	118	25	99	4,646‡

* April 1 to March 31.
† The owners of 470 boats were issued fishing party licenses in 1966–67.
‡ The owners of 485 boats were issued fishing party licenses in 1967–68.

TABLE 6

Origin of Shipments Received for Processing in California During 1967 *

Shipped from: Species	Pounds shipped to each area		Total pounds
	Los Angeles	San Diego	
Oregon, Washington, Canada and Alaska:			
Tuna, albacore	11,056,956	----	11,056,956
Tuna, bigeye	334	----	334
South America:			
Tuna, skipjack	3,064,284	----	3,064,284
Tuna, yellowfin	2,108,237	----	2,108,237
Japan:			
Tuna, albacore	23,736,238	4,221,674	27,957,912
Tuna, bigeye	225,515	----	225,515
Tuna, skipjack	180,809	----	180,809
Tuna, yellowfin	16,388,382	2,155,708	18,544,090
China (Formosa):			
Tuna, albacore	75,950	----	75,950
Tuna, bigeye	3,805	----	3,805
Tuna, yellowfin	683,765	150,509	834,274
Malaya:			
Tuna, albacore	8,594,116	735,986	9,330,102
Tuna, bigeye	106,036	----	106,036
Tuna, yellowfin	3,549,031	113,095	3,662,126
Philippines:			
Tuna, yellowfin	711,046	----	711,046
South Pacific Islands:			
Tuna, albacore	3,733,774	1,735,068	5,468,842
Tuna, bigeye	11,046	----	11,046
Tuna, skipjack	757,406	----	757,406
Tuna, yellowfin	583,467	452,242	1,035,709
Total pounds	**75,570,197**	**9,564,282**	**85,134,479**

* Beginning in 1965 only tuna shipments are recorded.

TABLE 7

Origin of Commercial Fish Landings and Volume of Shipments Into California During 1967

Species	Landings of catches from					
	California waters	Waters north of State	Waters south of State	Total pounds	Tuna shipments*	Grand total
Fish:						
Anchovy	69,609,377	----	----	69,609,377	----	69,609,377
Barracuda, California	281,224	----	31,960	313,184	----	313,184
Blacksmith	7,620	----	----	7,620	----	7,620
Bonito, Pacific	17,841,537	----	3,377,894	21,219,431	----	21,219,431
Cabezon	14,284	----	----	14,284	----	14,284
Carp	348,531	----	----	348,531	----	348,531
Croaker, white	496,378	----	39	496,417	----	496,417
Flounder	860,634	10,073	----	870,707	----	870,707
Flounder, arrowtooth	6,041	----	----	6,041	----	6,041
Flyingfish	45,194	----	1,450	46,644	----	46,644
Grouper	----	----	190,199	190,199	----	190,199
Hake, Pacific	14,430	----	----	14,430	----	14,430
Halfmoon	25,431	----	----	25,431	----	25,431
Halibut, California	824,919	----	13,139	838,058	----	838,058
Halibut, Pacific	498	----	----	498	----	498
Hardhead	218,604	----	----	218,604	----	218,604
Herring, Pacific	271,902	----	----	271,902	----	271,902
Hitch	13,317	----	----	13,317	----	13,317
Lingcod	921,968	16,687	----	938,655	----	938,655
Mackerel, bullet	13,400	----	----	13,400	----	13,400
Mackerel, jack	38,180,547	----	----	38,180,547	----	38,180,547
Mackerel, Pacific	1,166,607	----	----	1,166,607	----	1,166,607
Opaleye	17,298	----	----	17,298	----	17,298
Perch	201,728	----	785	202,513	----	202,513
Pompano, Pacific	111,593	----	----	111,593	----	111,593
Rockfish	9,589,787	57,665	151,499	9,798,951	----	9,798,951
Sablefish	3,768,959	29,534	----	3,798,493	----	3,798,493
Salmon	7,401,591	138	----	7,401,729	----	7,401,729
Sanddab	685,402	1,620	146	687,168	----	687,168
Sardine	148,766	----	----	148,766	----	148,766
Sculpin	56,045	----	26,611	82,656	----	82,656
Sea bass, giant	11,893	----	218,711	230,604	----	230,604
Seabass, white	507,588	----	715,171	1,222,759	----	1,222,759
Shark	586,249	----	10,649	596,898	----	596,898
Sheephead, California	18,605	----	1,023	19,628	----	19,628
Skate	196,751	----	----	196,751	----	196,751
Smelt	591,975	----	----	591,975	----	591,975
Smelt, whitebait	199,694	----	----	199,694	----	199,694
Sole, Dover	6,814,501	400,536	----	7,215,037	----	7,215,037
Sole, English	5,757,762	64,147	----	5,821,909	----	5,821,909
Sole, petrale	2,733,760	34,777	----	2,768,537	----	2,768,537
Sole, rex	1,750,549	15,489	----	1,766,038	----	1,766,038
Sole, sand	305,405	492	----	305,897	----	305,897
Sole, miscellaneous	31,712	----	----	31,712	----	31,712
Swordfish	303,467	----	1,600	305,067	----	305,067
Tuna, albacore	15,184,473	2,387,979	285,471	17,857,923	53,889,762	71,747,685
Tuna, bigeye	4,229	----	1,130,196	1,134,425	346,736	1,481,161
Tuna, bluefin	1,791,634	47,532	11,896,429	13,735,595	----	13,735,595
Tuna, skipjack	116,902	----	110,839,399	110,956,301	4,002,499	114,958,800
Tuna, yellowfin	----	----	140,356,053	140,356,053	26,895,482	167,251,535
Turbot	72,747	----	106	72,853	----	72,853
Wahoo	----	----	982	982	----	982
Whitefish, ocean	170	----	889	1,059	----	1,059
Yellowtail, California	13,179	----	137,489	150,668	----	150,668
Miscellaneous	1,776	----	447	2,223	----	2,223
Miscellaneous (animal food)	2,526,296	69,822	----	2,596,118	----	2,596,118

TABLE 7—Continued

Origin of Commercial Fish Landings and Volume of Shipments Into California During 1967

Species	Landings of catches from				Tuna shipments*	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Crustacean:						
Crab, market	11,716,488	----	----	11,716,488	----	11,716,488
Crab, rock	324,386	----	----	324,386	----	324,386
Lobster, spiny	449,874	----	10	449,884	----	449,884
Prawn, spot	2,590	----	----	2,590	----	2,590
Prawn, ridgeback	423	----	----	423	----	423
Shrimp, bay	19,771	----	----	19,771	----	19,771
Shrimp, ocean	1,408,453	4,060	----	1,412,513	----	1,412,513
Mollusk:						
Abalone	4,421,581	----	----	4,421,581	----	4,421,581
Clam, unclassified	2,532	----	----	2,532	----	2,532
Octopus	9,194	----	----	9,194	----	9,194
Oyster, eastern	12,710	----	----	12,710	----	12,710
Oyster, giant Pacific	729,431	----	----	729,431	----	729,431
Squid	19,601,922	----	----	19,601,922	----	19,601,922
Total pounds	**231,364,284**	**3,140,551**	**269,388,347**	**503,893,182**	**85,134,479**	**589,027,661**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 8
Monthly Landings and Shipments Into California During 1967

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:													
Fish:													
Anchovy	22,780,040	14,005,110	12,013,114	6,344,405	325,195	268,670	283,170	792,295	729,159	5,906,709	2,503,350	3,658,160	69,609,377
Barracuda, California	3,104	575	1,011	9,262	113,279	12,682	25,354	10,325	4,805	12,627	9,063	3,097	313,184
Blacksmith	----	----	----	----	7,620	----	----	----	----	----	----	----	7,620
Bonito, Pacific	1,969,722	532,017	375,332	868	9,816	41,591	1,677,776	11,592,308	4,233,012	524,004	140,779	212,176	21,219,431
Cabezon	615	810	517	781	121	273	537	692	592	643	3,386	5,317	14,281
Carp	55,173	67,225	73,500	12,058	10,275	6,100	1,700	2,100	2,000	7,550	25,600	85,250	348,531
Croaker, white	77,290	76,858	30,527	24,968	43,405	29,636	29,915	21,813	35,229	40,049	53,305	33,422	496,417
Flounder	78,776	156,869	70,510	42,429	24,246	9,056	31,686	71,483	125,293	158,829	53,514	46,986	870,707
Flounder, arrowtooth	196	2,455	550	430	----	185	225	75	1,220	----	85	620	6,041
Flyingfish	----	----	----	----	6,135	9,165	14,588	16,310	446	----	----	----	46,644
Grouper	36,580	11,332	13,795	----	----	389	2,812	455	1,800	22,680	34,455	65,901	190,199
Hake, Pacific	----	----	----	40	725	11,795	1,110	----	760	----	----	----	14,430
Halfmoon	183	158	1,097	----	1,377	272	6,688	6,817	3,100	2,756	2,332	651	25,431
Halibut, California	76,216	133,809	98,405	64,708	55,038	68,939	89,062	78,536	27,558	40,778	44,520	60,489	838,058
Halibut, Pacific	----	----	----	----	20	----	104	374	----	----	----	----	498
Hardhead	55,242	46,816	52,445	3,433	68	----	----	----	----	12,750	14,720	33,130	218,604
Herring, Pacific	7,055	9,075	3,050	187	112,725	43,570	17,460	75,850	800	130	2,000	----	271,902
Hitch	11,063	1,674	580	----	----	----	----	----	----	----	----	----	13,317
Lingcod	31,840	64,520	22,233	40,502	70,809	130,667	147,164	145,268	93,744	89,747	66,007	36,154	938,655
Mackerel, bullet	----	----	----	----	----	----	----	----	13,400	----	----	----	13,400
Mackerel, jack	970,883	3,896,887	4,261,211	4,508,728	5,112,720	8,270,349	2,131,553	3,426,357	695,051	884,073	1,088,150	2,934,285	38,180,547
Mackerel, Pacific	56,136	125,685	33,429	5,170	28,157	59,384	50,615	178,650	81,226	100,563	242,801	204,791	1,166,607
Opaleye	177	24	209	----	3,668	4,547	4,092	1,302	693	1,749	562	275	17,298
Perch	10,857	13,586	25,628	51,117	1,858	5,320	16,468	23,661	12,218	13,121	18,012	10,637	202,513
Pompano, Pacific	652	1,797	1,369	747	10,587	17,407	5,206	9,362	22,096	10,150	9,739	22,481	111,593
Rockfish	588,579	1,141,665	680,909	824,207	824,032	1,214,267	908,639	920,288	689,502	700,156	749,615	557,092	9,798,951
Sablefish	302,613	472,458	246,387	292,463	216,229	248,856	162,415	233,668	282,977	621,045	521,904	197,478	3,798,493
Salmon	----	----	----	510,709	1,434,362	1,814,749	2,596,461	901,342	144,089	17	----	----	7,401,729
Sanddab	36,787	58,265	35,756	51,360	51,100	83,409	79,275	108,496	49,576	75,880	40,745	16,519	687,168
Sardine	34,190	17,065	9,490	11,845	37,040	13,002	4,414	880	2,240	10,909	6,987	704	148,766
Sculpin	9,401	12,745	2,891	1,816	3,264	20,894	14,943	10,698	160	766	3,589	1,489	82,656
Sea bass, giant	21,428	23,980	9,447	4,996	27,313	8,576	35,431	18,305	16,760	22,302	27,634	14,432	230,604
Seabass, white	100,040	125,262	41,295	44,435	203,908	73,756	64,249	129,390	82,302	96,663	105,594	155,865	1,222,759
Shark	37,366	32,798	24,424	20,855	56,892	84,011	103,069	53,683	30,280	45,421	51,456	56,643	596,898
Sheephead, California	689	535	640	2,699	1,785	1,688	1,128	2,883	266	4,309	2,891	115	19,628
Skate	20,038	22,957	14,068	24,656	13,312	17,545	19,205	18,803	8,868	10,350	11,774	15,175	196,751
Smelt	32,574	5,803	30,885	54,225	30,171	53,535	97,466	103,838	76,910	25,881	65,290	15,397	591,975
Smelt, whitebait	1,245	8,699	13,396	63,986	62,024	30,896	11,113	7,647	688	----	----	----	199,694
Sole, Dover	224,477	309,705	361,685	279,110	539,053	1,053,780	1,067,977	1,366,529	770,253	798,753	388,676	55,039	7,215,037
Sole, English	559,665	1,016,978	289,467	320,543	398,121	391,286	316,786	467,143	626,087	770,307	397,941	267,585	5,821,909

Sole, petrale	319,973	289,842	150,824	186,677	220,661	286,672	232,380	327,528	262,813	259,457	125,456	106,254	2,768,537
Sole, rex	165,278	205,686	92,338	94,434	140,162	146,401	114,011	176,603	168,288	238,140	152,935	71,762	1,766,038
Sole, sand	44,429	52,774	30,472	24,230	9,242	7,200	28,235	22,751	18,832	22,691	25,026	20,015	305,897
Sole, miscellaneous	2,194	6,982	2,639	1,978	1,988	2,553	3,821	5,168	1,739	1,235	282	1,133	31,712
Swordfish	----	----	----	--	----	935	26,846	84,214	148,960	43,853	259	--	305,067
Tuna, albacore	--	--	----	----	----	----	1,149,276	2,025,128	10,106,584	3,763,779	794,674	18,482	17,857,923
Tuna, bigeye	5,998	1,000	----	----	----	----	4,102	1,431	----	623,297	290,807	204,790	1,134,425
Tuna, bluefin	--	26,870	8,565	1,694	775	1,156,422	8,613,221	2,207,720	1,362,085	324,711	3,532	--	13,735,595
Tuna, skipjack	3,897,141	2,073,588	5,336,164	4,177,919	7,254,789	13,146,073	14,706,320	11,041,344	16,844,369	15,585,961	13,085,565	3,807,068	110,956,301
Tuna, yellowfin	1,121,437	9,540,586	21,009,073	19,943,232	31,195,906	29,569,002	14,134,444	6,876,078	2,932,720	1,466,067	1,942,075	625,433	140,356,053
Turbot	3,610	4,200	10,020	5,965	5,366	3,487	7,425	8,810	5,260	7,083	5,930	5,697	72,853
Wahoo	--	----	----	----	860	----	----	122	----	----	--	--	982
Whitefish, ocean	105	7	----	----	60	265	----	215	----	----	407	--	1,059
Yellowtail, California	20,443	18,487	8,791	12,413	808	2,856	4,379	3,358	2,429	9,376	23,725	43,603	150,668
Miscellaneous	15	455	----	20	484	627	48	77	----	493	4	----	2,223
Miscellaneous (animal food)	206,289	129,426	98,684	105,079	231,512	401,994	385,850	366,200	255,155	224,111	170,735	21,083	2,596,118
Crustacean:													
Crab, market	2,317,209	2,592,126	1,512,744	705,362	553,426	46,331	1,352	--	--	--	566,093	3,121,845	11,716,488
Crab, rock	34,282	32,011	16,044	13,758	17,043	29,873	26,470	19,971	26,152	28,707	54,933	25,142	324,386
Lobster, spiny	60,558	48,301	39,492	----	----	----	----	----	----	129,717	111,339	60,477	449,884
Prawn, spot	325	1,212	60	----	----	----	----	----	----	----	----	993	2,590
Prawn, ridgeback	----	----	423	----	----	----	----	----	----	----	----	----	423
Shrimp, bay	--	----	----	----	----	----	8,475	5,150	1,073	2,925	1,758	390	19,771
Shrimp, ocean	----	----	----	----	888	431,435	914,800	65,390	----	----	----	----	1,412,513
Mollusk:													
Abalone	377,504	----	190,417	395,689	537,158	427,436	467,390	442,126	414,701	458,498	397,677	306,985	4,121,581
Clam, unclassified	232	844	585	512	98	----	----	----	----	----	209	52	2,532
Octopus	738	1,990	633	847	776	707	572	575	485	280	750	841	9,194
Oyster, eastern	800	1,023	1,135	946	912	533	697	920	1,410	1,918	1,135	1,281	12,710
Oyster, giant Pacific	27,885	71,861	91,314	102,593	72,684	22,049	14,407	25,616	19,304	81,981	103,570	96,167	729,431
Squid	662,675	2,568,406	1,913,765	545,410	3,012,870	5,535,014	2,097,192	706,065	475,280	99,090	611,155	1,375,000	19,601,922
Total pounds	37,460,012	40,063,874	49,359,464	39,936,496	53,094,918	65,426,112	52,991,569	45,123,186	41,913,829	34,385,037	25,156,837	18,981,848	503,893,182
SHIPMENTS:*													
Fish:													
Tuna, albacore	4,308,782	2,951,116	4,349,138	1,545,472	1,405,771	3,311,750	2,538,789	11,353,585	10,014,006	5,849,402	4,316,808	1,945,143	53,889,762
Tuna, bigeye	35,370	59,900	40,140	----	39,281	35,190	125,475	11,380	----	----	----	----	346,736
Tuna, skipjack	247,555	----	119,800	----	1,772,130	743,169	90,168	1,029,677	----	----	----	----	4,002,499
Tuna, yellowfin	6,043,758	1,877,154	2,718,255	525,856	3,650,409	2,044,118	99,326	1,359,150	1,502,679	616,948	1,650,882	4,806,947	26,895,482
Total pounds	10,635,465	4,888,170	7,227,333	2,071,328	6,867,591	6,134,227	2,853,758	13,753,792	11,516,685	6,466,350	5,967,690	6,752,090	85,134,179
Grand total	**48,095,477**	**44,952,044**	**56,586,797**	**42,007,824**	**59,962,509**	**71,560,339**	**55,845,327**	**58,876,978**	**53,430,514**	**40,851,387**	**31,124,527**	**25,733,933**	**589,027,661**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 9

Monthly Landings of Commercial Fishing Boats in the Eureka Area During 1967

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Bonito, Pacific	----	----	----	----	----	----	----	----	----	----	622	----	622
Cabezon	----	----	----	----	----	----	----	----	----	----	8	----	8
Flounder	1,416	26,627	539	5,248	4,171	3,532	9,388	9,143	90,559	113,121	23,992	27,387	315,123
Flounder, arrowtooth	196	1,560	365	430	----	185	100	----	1,015	----	85	620	4,556
Hake, Pacific	----	----	----	----	----	----	----	----	760	----	----	----	760
Halibut, Pacific	----	----	----	----	20	----	104	374	----	----	----	----	498
Lingcod	8,291	36,719	5,554	26,185	52,747	87,093	86,984	99,713	58,618	59,101	42,490	13,024	576,519
Mackerel, jack	----	----	----	----	----	----	----	----	550	----	----	----	550
Perch	1,963	5,020	5,248	18,161	26	----	8,372	10,731	5,438	3,594	5,594	1,000	65,147
Rockfish	66,298	363,325	142,796	89,274	141,616	256,147	246,907	246,357	250,215	260,877	209,114	96,614	2,369,540
Sablefish	196,860	302,268	160,635	108,175	89,745	140,137	83,642	69,190	177,842	462,622	371,246	108,681	2,271,043
Salmon	----	----	----	360,711	1,018,523	931,579	2,077,394	826,625	72,570	----	----	----	5,287,402
Sanddab	2,719	12,824	3,126	5,610	13,712	21,456	31,292	51,368	13,500	31,509	10,531	3,899	201,546
Shark	----	----	----	----	----	----	----	188	325	2,268	1,361	205	4,347
Skate	----	----	----	----	----	4,750	3,180	----	----	----	----	----	7,930
Smelt	----	174	237	36,259	7,103	29,885	59,009	76,619	57,264	1,060	----	----	267,610
Smelt, whitebait	45	8,239	11,649	59,257	59,763	28,861	11,093	7,647	688	----	----	----	187,242
Sole, Dover	186,344	176,774	231,096	107,945	369,298	795,570	927,148	1,101,207	531,641	638,958	281,204	54,999	5,402,184
Sole, English	147,034	691,580	88,008	119,158	243,122	174,404	149,897	235,513	391,721	506,243	168,786	94,279	3,009,745
Sole, petrale	216,209	165,375	43,985	76,912	111,767	150,387	97,224	166,212	152,049	204,005	93,347	64,977	1,542,449
Sole, rex	93,336	108,849	44,621	51,759	101,580	116,869	87,123	121,788	101,526	190,238	104,271	43,363	1,165,323
Sole, sand	----	142	160	120	----	120	135	1,536	700	152	66	----	3,131
Sole, miscellaneous	----	----	----	----	31	17	8	2	----	----	----	----	58
Tuna, albacore	----	----	----	----	----	----	13,369	312,883	4,516,243	11,296	136	----	4,853,927
Turbot	----	----	180	390	----	----	----	2,995	170	100	40	----	3,875
Miscellaneous	----	----	----	----	----	----	8	----	----	184	----	----	192
Miscellaneous (animal food)	23,004	22,756	13,366	19,069	174,743	303,106	226,290	219,784	173,465	196,193	152,704	17,490	1,541,970

Crustacean:													
Crab, market	2,280,473	2,522,531	1,502,833	699,022	549,427	45,689	1,352	----	----	----	----	3,171,661	10,772,988
Crab, rock	----	----	----	----	----	20	80	----	----	----	----	----	100
Shrimp, ocean	----	----	----	----	----	429,135	914,800	63,630	----	----	----	----	1,407,565
Mollusk:													
Clam, unclassified	52	507	364	512	98	----	----	----	----	----	169	52	1,754
Octopus	----	----	----	17	20	72	388	335	485	93	220	161	1,791
Oyster, giant Pacific	----	47,607	68,020	79,439	51,143	4,143	----	----	----	58,856	76,023	69,410	454,641
Total pounds	3,224,240	4,492,877	2,322,782	1,863,653	2,988,655	3,523,157	5,035,287	3,623,840	6,597,344	2,740,470	1,542,009	3,767,822	41,722,136
Waters north of State:													
Fish:													
Flounder	----	----	----	----	----	----	----	162	7,645	2,266	----	----	10,073
Lingcod	----	----	180	----	----	604	1,868	4,503	9,140	392	----	----	16,687
Rockfish	----	----	9,846	----	----	1,146	6,463	6,741	22,568	8,717	2,184	----	57,665
Sablefish	----	----	11,799	----	----	124	1,512	1,279	6,223	6,095	2,502	----	29,534
Salmon	----	----	----	----	----	----	138	----	----	----	----	----	138
Sanddab	----	----	----	----	----	----	56	950	614	----	----	----	1,620
Sole, Dover	----	----	49,871	----	----	11,100	43,226	58,186	132,092	73,698	32,363	----	400,536
Sole, English	----	----	4,619	----	----	8,286	553	7,573	39,564	3,552	----	----	64,147
Sole, petrale	----	----	1,782	----	----	1,039	710	5,722	24,724	800	----	----	34,777
Sole, rex	----	----	1,640	----	----	1,106	633	4,375	5,501	2,234	----	----	15,489
Sole, sand	----	----	----	----	----	----	----	----	492	----	----	----	492
Miscellaneous (animal food)	----	----	3,623	----	----	1,640	----	26,536	26,282	2,153	9,588	----	69,822
Crustacean:													
Shrimp, ocean	----	----	----	----	----	2,300	----	1,760	----	----	----	----	4,060
Total pounds	----	----	83,360	----	----	27,345	55,159	117,787	274,845	99,907	46,637	----	705,040
Grand total	**3,224,240**	**4,492,877**	**2,406,142**	**1,863,653**	**2,988,655**	**3,550,502**	**5,090,446**	**3,741,627**	**6,872,189**	**2,840,377**	**1,588,646**	**3,767,822**	**42,427,176**

TABLE 10

Monthly Landings of Commercial Fishing Boats in the San Francisco Area During 1967 *

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	----	----	----	----	15,035	960	4,000	4,000	4,880	1,004	5,220	----	35,099
Bonito, Pacific	----	----	----	----	----	----	----	----	----	546	----	----	546
Cabezon	----	----	----	----	----	----	----	----	----	----	145	445	590
Carp	55,173	67,225	73,500	12,058	10,275	5,800	1,700	2,100	2,000	7,550	25,600	85,250	348,231
Croaker, white	513	440	1,054	722	983	1,090	570	3,508	3,849	4,562	2,229	260	19,780
Flounder	68,719	110,463	58,361	23,032	12,802	3,795	16,306	47,970	23,384	40,697	24,434	10,365	440,328
Flounder, arrowtooth	----	895	185	----	----	----	125	75	205	----	----	----	1,485
Hake, Pacific	----	----	----	----	200	----	----	----	----	----	----	----	200
Halibut, California	42,520	49,826	18,133	17,692	5,642	4,063	26,112	18,127	9,216	26,472	21,538	25,619	264,960
Hardhead	55,242	46,816	52,445	3,433	68	----	----	---	----	12,750	14,720	33,130	218,604
Herring, Pacific	7,055	9,075	3,050	187	----	----	----	----	----	----	1,600	----	20,967
Hitch	11,063	1,674	580	----	----	----	----	----	----	----	----	----	13,317
Lingcod	12,550	17,272	9,395	10,183	12,039	21,473	39,018	23,902	17,981	19,047	13,865	14,063	210,788
Mackerel, jack	----	----	----	----	----	----	70	85	----	55	----	----	210
Perch	712	1,264	5,657	6,240	18	----	140	1,259	1,791	1,844	3,175	1,962	24,062
Pompano, Pacific	----	----	----	----	----	54	----	----	----	----	----	----	54
Rockfish	95,606	230,594	65,413	79,438	54,018	41,999	48,111	36,238	43,906	73,957	45,858	42,310	857,448
Sablefish	38,820	66,244	32,715	59,155	33,441	42,872	22,460	65,153	33,032	45,460	27,829	7,605	474,786
Salmon	----	----	----	136,620	335,696	727,498	457,885	55,299	48,932	----	----	----	1,761,930
Sanddab	11,953	19,016	16,290	29,365	23,515	35,235	23,751	26,440	16,105	27,442	18,297	7,205	254,614
Seabass, white	----	90	----	----	66	----	----	----	----	178	171	65	570
Shark	6,167	5,233	5,243	3,292	1,040	3,023	7,797	3,914	2,738	14,229	18,390	13,587	84,653
Skate	9,200	9,390	5,900	12,200	4,600	4,500	5,200	5,400	3,400	7,000	8,000	7,800	82,590
Smelt	8,725	2,020	8,189	14,044	13,036	12,495	5,415	2,515	2,692	1,066	242	374	70,813
Smelt, whitebait	1,200	460	1,747	4,729	2,261	2,035	20	----	----	----	----	----	12,452
Sole, Dover	37,608	128,971	80,578	170,010	162,050	223,070	68,723	183,886	94,095	85,811	67,643	---	1,302,415
Sole, English	314,197	234,924	110,705	113,013	85,815	135,849	116,531	137,573	128,891	184,534	172,328	137,143	1,871,503
Sole, petrale	91,610	94,587	71,075	66,415	49,980	73,205	79,331	92,483	52,940	35,083	14,775	35,210	756,694
Sole, rex	35,327	56,450	33,930	33,520	28,652	20,684	17,150	30,840	20,465	25,701	26,118	15,410	344,247
Sole, sand	23,360	23,424	19,700	15,985	4,925	4,990	27,310	19,605	17,525	22,230	22,610	13,325	214,989
Sole, miscellaneous	----	----	----	----	----	----	----	----	----	35	----	----	35
Tuna, albacore	----	----	----	----	----	----	----	6,779	1,386,987	115,973	6,281	----	1,516,020
Turbot	3,610	4,200	9,500	5,575	3,680	2,555	7,425	5,815	4,125	6,857	5,885	4,025	63,252
Miscellaneous	----	----	----	----	10	----	----	----	----	----	----	----	10

Crustacean:													
Crab, market	35,739	67,946	7,414	4,982	3,741	563	----	----	----	----	566,023	249,946	936,354
Shrimp, bay	----	----	----	----	----	----	8,475	5,150	1,073	2,925	1,758	390	19,771
Shrimp, ocean	----	----	----	----	888	----	----	----	----	----	----	----	888
Abalone	----	----	----	175	962	654	837	3,594	4,962	7,500	3,100	1,650	23,434
Mollusk:													
Octopus	270	626	595	830	621	590	139	240	----	187	453	545	5,096
Oyster, eastern	800	1,023	1,135	946	912	533	697	920	1,410	1,918	1,135	1,281	12,710
Oyster, giant Pacific	18,228	14,515	13,845	15,817	15,037	11,648	11,187	21,118	14,875	16,109	19,362	13,952	185,693
Grand total	**985,967**	**1,264,663**	**706,334**	**839,658**	**882,008**	**1,381,233**	**996,485**	**803,988**	**1,941,459**	**788,722**	**1,138,784**	**722,917**	**12,452,218**

* Includes Sacramento area landings.

TABLE 11

Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1967

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	3,115,980	503,760	987,500	968,150	6,800	1,800	3,250	460,800	531,594	4,680,950	1,918,500	3,574,500	16,753,584
Bonito, Pacific	----	----	----	----	----	----	----	----	2,301	2,401	195	550	5,447
Cabezon	82	165	----	151	----	----	279	282	241	270	2,758	3,185	7,413
Croaker, white	16,042	12,764	6,162	2,455	10,825	12,893	11,144	12,215	20,772	19,640	17,656	17,892	160,460
Flounder	6,027	11,280	4,034	10,264	4,807	1,543	5,924	13,563	4,109	2,599	4,900	8,923	77,973
Hake, Pacific	----	----	----	----	525	1,625	1,100	----	----	----	----	----	3,250
Halibut, California	1,587	7,413	5,630	7,390	1,889	2,880	27,060	22,160	5,222	2,684	6,183	10,524	100,622
Herring, Pacific	----	----	----	----	112,725	43,570	17,460	75,850	800	130	400	----	250,935
Lingcod	7,018	5,631	5,139	1,438	2,718	15,954	11,346	7,633	3,402	7,088	6,964	5,935	80,266
Mackerel, jack	----	----	3,160	525	114,865	765	24,460	167,619	58,348	178,315	351,525	35,170	934,752
Perch	50	776	6,314	17,967	----	----	2,185	2,039	404	121	523	246	30,625
Pompano, Pacific	92	173	24	204	10,405	16,500	2,623	6,125	19,877	5,358	47	336	61,764
Rockfish	147,847	176,279	156,299	258,020	248,935	364,075	213,694	290,911	208,299	195,044	167,738	120,088	2,547,229
Sablefish	66,933	103,696	41,188	125,133	92,493	65,670	54,386	97,470	65,845	106,868	120,327	81,192	1,021,201
Salmon	----	----	----	12,326	66,390	105,013	36,601	16,374	6,178	----	----	----	242,882
Sanddab	21,940	26,425	16,340	16,265	13,729	26,512	23,471	29,716	19,351	16,929	11,595	5,272	227,545
Sardine	----	----	----	----	----	10	29	70	4	----	----	----	113
Seabass, white	32	97	37	----	127	28	523	1,013	11,544	53,055	275	830	67,561
Shark	6,815	10,738	1,436	1,739	2,012	4,150	8,551	4,894	2,530	2,110	12,975	13,247	71,197
Skate	10,685	13,037	7,955	11,980	8,690	8,295	10,723	13,280	5,468	3,350	3,433	6,517	103,413
Smelt	13,485	1,779	4,014	3,523	4,907	1,805	3,680	4,944	6,364	1,365	179	500	46,545
Sole, Dover	525	3,880	----	1,155	5,395	21,645	22,535	18,715	7,160	----	7,466	40	88,516
Sole, English	41,535	35,908	46,320	52,664	35,745	44,312	30,118	72,423	50,625	42,530	27,499	17,860	497,539
Sole, petrale	10,398	22,140	26,930	24,372	13,545	24,615	11,555	32,850	16,777	11,688	10,925	3,180	208,975
Sole, rex	25,410	27,595	7,185	5,740	5,690	4,525	2,985	11,185	16,330	16,718	15,335	8,695	147,393
Sole, sand	555	2,370	1,590	3,875	1,610	1,195	560	265	115	115	1,955	4,010	18,215
Sole, miscellaneous	872	2,320	789	1,375	354	25	171	1,844	592	327	58	959	9,686
Swordfish	----	----	----	----	----	----	----	----	----	4,436	----	----	4,436
Tuna, albacore	----	----	----	----	----	----	35,267	95,119	817,496	252,404	1,798	----	1,202,084
Tuna, skipjack	----	----	----	----	----	----	----	----	----	291	----	----	291
Turbot	----	----	340	----	----	----	----	----	----	----	----	----	340
Miscellaneous	----	----	----	20	----	----	----	----	----	----	----	----	20

Crustacean:													
Crab, market	260	757	292	----	----	----	----	----	----	----	66	132	1,507
Crab, rock	----	----	53	----	----	----	----	----	----	----	----	168	221
Prawn, spot	325	1,212	60	----	----	----	----	----	----	----	----	993	2,590
Mollusk:													
Abalone	----	----	----	----	208	----	----	----	----	317	----	----	525
Clam, unclassified	180	337	221	----	----	----	----	----	----	----	40	----	778
Octopus	468	1,364	38	----	----	----	----	----	----	----	----	61	1,931
Squid	----	----	----	----	2,657,010	5,353,164	1,933,772	705,865	471,380	98,450	13,630	----	11,233,271
Grand total	**3,495,143**	**971,896**	**1,329,050**	**1,526,731**	**3,422,399**	**6,122,569**	**2,495,452**	**2,165,224**	**2,353,128**	**5,705,553**	**2,704,945**	**3,921,005**	**36,213,095**

TABLE 12

Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1967

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	3,870,750	1,818,590	996,750	2,700	9,800	11,600	8,800	12,600	5,600	1,067,905	481,765	2,325	8,289,185
Barracuda, California	----	----	11	----	----	----	----	----	----	1,256	----	25	1,292
Bonito, Pacific	72,561	9,485	50	155	----	----	1,271	6,494	34,243	28,939	81,979	2,864	238,041
Cabezon	533	645	517	630	121	273	258	410	351	373	464	1,687	6,262
Croaker, white	117	----	----	----	----	25	875	196	----	----	----	----	1,213
Flounder	2,614	8,499	7,606	3,885	2,466	186	68	645	596	146	188	311	27,210
Hake, Pacific	----	----	----	40	----	9,975	10	----	----	----	----	----	10,025
Halibut, California	23,803	61,134	53,612	20,564	26,888	42,652	19,932	28,606	7,402	1,181	6,945	12,248	304,967
Lingcod	3,880	4,764	1,741	2,616	3,200	5,298	7,948	9,517	4,535	4,068	2,554	3,096	53,217
Mackerel, jack	42,200	549,490	1,154,035	1,438,495	183,740	137,025	180,130	37,870	----	----	13,000	295,740	4,031,725
Mackerel, Pacific	----	----	----	----	----	----	----	400	6,300	----	----	----	6,700
Perch	3,584	4,810	3,487	4,643	24	78	2,448	4,698	1,916	2,305	3,320	3,380	34,693
Pompano, Pacific	----	471	----	244	----	----	----	----	----	----	----	----	715
Rockfish	150,110	217,255	185,295	309,724	256,084	458,275	314,502	302,789	144,759	111,911	253,135	191,032	2,894,871
Sablefish	----	250	50	----	530	----	415	330	35	----	----	----	1,610
Salmon	----	----	----	1,052	13,753	49,530	23,986	2,863	16,376	----	----	----	107,560
Sanddab	175	----	----	120	144	----	655	22	----	----	----	73	1,189
Sardine	----	7,000	----	----	----	----	----	----	----	----	----	----	7,000
Sea bass, giant	----	22	75	47	357	181	583	91	82	60	47	64	1,609
Seabass, white	21,424	4,189	708	4,408	3,130	2,231	1,790	11,019	13,343	9,895	18,007	32,270	122,414
Shark	5,095	4,783	5,950	2,718	26,031	45,798	46,168	22,535	6,321	3,959	10,008	10,972	190,338
Sheephead, California	----	9	142	55	46	11	14	729	----	----	7	6	1,019
Skate	153	530	213	476	22	----	25	----	----	----	341	858	2,618
Sole, Dover	----	80	140	----	2,310	2,395	6,345	4,535	5,265	286	----	----	21,356
Sole, English	56,899	54,566	39,815	35,708	33,439	28,435	19,687	14,061	15,286	33,448	29,328	18,303	378,975
Sole, petrale	1,756	7,740	7,052	18,978	45,369	37,400	43,560	30,261	16,323	7,881	6,409	2,887	225,616
Sole, rex	11,205	12,792	4,962	3,415	4,240	3,217	6,120	8,415	24,466	3,249	7,211	4,294	93,586
Sole, sand	20,514	26,838	9,022	4,250	2,707	895	230	1,345	----	194	395	2,680	69,070
Sole, miscellaneous	1,312	4,552	1,664	487	446	389	527	289	91	12	76	116	9,961
Swordfish	----	----	----	----	----	143	2,329	8,934	55,839	28,652	----	----	95,897
Tuna, albacore	----	----	----	----	----	----	21,529	365,242	1,892,376	518,597	28,153	----	2,825,897
Turbot	----	----	----	----	1,580	932	----	----	860	----	5	1,672	5,049
Yellowtail, California	----	----	----	----	7	----	----	----	13	32	46	43	141
Miscellaneous (animal food)	183,285	106,670	81,695	86,010	56,769	97,248	159,560	119,880	55,408	25,765	8,443	3,593	984,326

Crustacean:													
Crab, market	737	892	2,205	1,358	258	79	----	----	----	----	4	106	5,639
Crab, rock	8,006	6,933	4,373	5,280	8,545	5,825	9,464	6,939	9,483	3,445	4,883	6,174	79,350
Lobster, spiny	18,621	11,798	10,449	----	----	----	----	----	----	21,040	28,606	21,148	111,662
Prawn, ridgeback	----	----	423	----	----	----	----	----	----	----	----	----	423
Mollusk:													
Abalone	238,815	----	152,659	278,843	362,008	272,864	261,535	314,850	274,392	314,417	296,929	235,068	3,002,380
Octopus	----	----	----	----	135	45	45	----	----	----	----	----	225
Oyster, giant Pacific	9,657	9,739	9,449	7,337	6,504	6,258	3,220	4,498	4,429	7,016	8,185	12,805	89,097
Squid	----	1,269,043	436,830	132,860	194,610	17,575	131,520	200	----	----	131,950	277,955	2,592,543
Grand total	**4,747,806**	**4,203,569**	**3,170,980**	**2,367,098**	**1,245,263**	**1,236,838**	**1,275,549**	**1,321,263**	**2,596,090**	**2,196,032**	**1,422,383**	**1,143,795**	**26,926,666**

TABLE 13

Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1967

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	15,793,310	11,682,760	10,028,864	5,373,555	293,560	254,310	267,120	314,895	187,085	156,850	97,865	81,335	44,531,509
Barracuda, California	9	85	453	8,380	76,754	81,226	19,108	2,317	671	6	545	117	189,671
Blacksmith	----	----	----	----	7,620	----	----	----	----	----	----	----	7,620
Bonito, Pacific	1,891,879	522,145	374,315	373	315	36,264	1,236,593	7,873,910	2,768,398	225,320	54,772	206,277	15,190,561
Carp	----	----	----	----	----	300	----	----	----	----	----	----	300
Croaker, white	60,516	63,264	22,958	21,637	31,113	15,502	17,224	5,827	10,424	15,263	32,698	14,343	310,769
Flyingfish	----	----	----	----	6,135	9,165	13,088	14,880	446	----	----	----	43,714
Hake, Pacific	----	----	----	----	----	195	----	----	----	----	----	----	195
Halfmoon	183	90	1,097	----	415	125	1,455	334	----	2,020	1,837	----	7,556
Halibut, California	5,451	8,412	18,148	13,669	16,866	12,474	11,011	3,795	55	3,055	7,034	10,441	110,411
Lingcod	73	39	180	80	84	245	----	----	----	16	116	22	855
Mackerel, bullet	----	----	----	----	----	----	----	----	13,400	----	----	----	13,400
Mackerel, jack	928,683	3,347,397	3,104,016	3,069,708	4,814,115	8,132,559	1,926,893	3,220,783	636,153	705,703	723,925	2,603,375	33,213,310
Mackerel, Pacific	56,136	125,195	31,752	5,122	27,239	58,172	49,058	161,924	74,926	99,727	242,269	204,791	1,136,311
Opaleye	177	----	209	----	3,628	4,547	4,092	1,302	693	1,749	343	150	16,890
Perch	4,251	922	4,065	2,211	292	4,714	1,719	4,149	2,142	4,381	4,159	3,743	36,748
Pompano, Pacific	560	1,153	1,345	299	182	853	2,583	3,237	2,219	4,792	9,692	22,112	49,027
Rockfish	69,777	92,526	55,564	49,890	61,230	44,710	45,621	15,739	6,358	20,313	44,027	46,628	552,383
Salmon	----	----	----	----	----	----	457	169	33	17	----	----	676
Sanddab	----	----	----	----	----	50	50	----	6	----	10	----	116
Sardine	34,190	10,065	9,490	11,845	27,540	12,992	4,371	810	2,236	10,909	6,987	704	132,139
Sculpin	741	1,982	657	45	564	1,096	512	12	22	302	533	417	6,883
Sea bass, giant	19	70	441	1,043	630	587	1,305	24	817	414	211	23	5,584
Seabass, white	5,645	17,651	965	2,148	3,957	12,323	17,672	105,512	51,751	20,403	10,208	2,775	251,010
Shark	4,965	10,589	8,471	9,945	16,530	19,800	27,358	11,476	10,612	10,269	2,543	6,570	139,128
Sheephead, California	333	314	216	154	1,369	221	655	698	----	83	186	95	4,324
Skate	----	----	----	----	----	----	77	123	----	----	----	----	200
Smelt	10,090	1,830	18,445	255	5,125	9,350	29,112	19,365	10,590	22,390	64,713	14,360	205,625
Sole, petrale	----	----	----	----	----	26	----	----	----	----	----	----	26
Sole, miscellaneous	----	60	----	13	----	19	424	650	416	40	----	----	1,622
Swordfish	----	----	----	----	----	792	22,105	67,226	79,650	10,492	259	----	180,524
Tuna, albacore	----	----	----	----	----	----	505,514	535,437	1,204,559	638,297	446,647	----	3,330,454
Tuna, bigeye	----	----	----	----	----	----	----	1,450	----	----	----	----	1,450
Tuna, bluefin	----	----	----	----	----	138,773	413,113	376,535	777,883	36,029	----	----	1,742,333
Tuna, skipjack	----	----	----	----	----	----	----	----	----	31,310	75,840	----	107,150
Whitefish, ocean	----	7	----	----	----	----	----	----	----	----	----	----	7
Yellowtail, California	370	----	74	94	116	74	14	50	703	540	300	71	2,406
Miscellaneous	----	----	----	----	----	16	25	39	----	----	----	----	80

Crustacean:													
Crab, rock	23,520	21,592	10,862	8,478	8,498	24,028	16,926	13,032	16,669	24,698	49,310	17,604	235,217
Lobster, spiny	26,522	27,735	22,294	----	----	----	----	----	----	56,508	50,084	25,855	208,998
Mollusk:													
Abalone	117,994	----	24,655	68,831	85,606	93,056	156,714	79,919	62,957	55,612	36,579	25,900	807,823
Octopus	----	----	----	----	----	----	----	----	----	----	75	70	145
Squid	662,675	1,299,265	1,476,935	412,550	161,250	164,275	31,900	----	3,900	640	465,575	1,097,045	5,776,010
Total pounds	19,698,069	17,235,148	15,216,471	9,060,325	5,650,733	9,132,839	4,823,869	12,835,619	5,925,774	2,158,148	2,429,342	4,384,823	108,551,160
Waters north of State:													
Fish:													
Tuna, albacore	----	----	----	----	----	----	----	40,198	24,736	1,665,273	196,045	18,482	1,944,734
Tuna, bluefin	----	----	----	----	----	----	----	----	----	47,532	----	----	47,532
Total pounds	----	----	----	----	----	----	----	40,198	24,736	1,712,805	196,045	18,482	1,992,266
Waters south of State:													
Fish:													
Barracuda, California	1,890	----	----	----	----	----	----	----	----	2,334	8,253	125	12,602
Bonito, Pacific	1,256	----	----	----	9,000	----	249,540	2,092,467	----	263,041	2,890	875	2,619,069
Grouper	25,145	10,847	13,795	----	----	----	2,812	455	1,800	22,680	16,917	53,241	147,692
Halibut, California	----	2,589	----	----	1,022	3,329	----	----	----	----	23	----	6,963
Perch	----	110	----	----	130	19	410	----	----	----	95	----	764
Rockfish	21,985	9,687	15,040	4,245	10,632	3,170	6,465	----	1,080	7,670	10,685	38,367	129,026
Sea bass, giant	7,022	23,888	4,650	3,616	19,308	6,331	32,987	17,810	15,712	21,120	26,648	12,222	191,314
Seabass, white	61,999	100,098	27,357	33,693	175,792	49,448	40,298	----	----	7,053	76,456	106,464	678,658
Shark	4,456	----	----	----	132	554	----	----	----	----	----	----	5,142
Sheephead, California	----	----	----	----	----	----	----	----	----	----	265	----	265
Tuna, albacore	----	----	----	----	----	----	----	60,598	302	----	----	----	60,900
Tuna, bigeye	5,998	----	----	----	----	----	----	202	----	623,297	254,193	204,790	1,088,480
Tuna, bluefin	----	26,870	8,565	1,694	775	567,122	6,436,985	1,599,282	493,831	214,281	1,496	----	9,350,901
Tuna, skipjack	3,897,141	961,301	3,604,169	2,797,274	6,361,578	10,138,301	11,767,090	7,493,021	13,630,189	10,268,233	8,457,778	1,416,271	80,792,346
Tuna, yellowfin	1,121,297	7,203,061	14,379,595	15,404,175	22,453,145	23,371,030	11,809,650	4,855,536	2,018,595	1,043,966	1,216,241	256,351	105,132,642
Wahoo	----	----	----	----	860	----	----	----	----	----	----	----	860
Whitefish, ocean	----	----	----	----	----	265	----	----	----	----	407	----	672
Yellowtail, California	19,363	18,237	5,231	11,375	411	1,042	1,947	142	----	6,267	23,201	38,733	125,949
Crustacean:													
Lobster, spiny	10	----	----	----	----	----	----	----	----	----	----	----	10
Total pounds	5,167,562	8,356,688	18,058,402	18,256,072	29,032,785	34,140,611	30,348,184	16,119,513	16,161,509	12,479,942	10,095,548	2,127,439	200,344,255
SHIPMENTS:*													
Fish:													
Tuna, albacore	4,015,402	1,749,194	4,148,413	1,545,472	870,362	3,311,750	2,238,109	10,894,069	7,526,352	4,960,606	3,992,162	1,945,143	47,197,034
Tuna, bigeye	35,370	59,900	40,140	----	39,281	35,190	125,475	11,380	----	----	----	----	346,736
Tuna, skipjack	247,555	----	119,800	----	1,772,130	743,169	90,168	1,029,677	----	----	----	----	4,002,499
Tuna, yellowfin	5,438,539	1,474,961	2,677,777	375,425	3,650,409	1,887,956	99,326	1,359,150	78,987	523,569	1,650,882	4,806,947	24,023,928
Total pounds	9,736,866	3,284,055	6,986,130	1,920,897	6,332,182	5,978,065	2,553,078	13,294,276	7,605,339	5,484,175	5,643,044	6,752,090	75,570,197
Grand total	**34,602,497**	**28,875,891**	**40,261,003**	**29,237,294**	**41,015,700**	**49,251,515**	**37,725,131**	**42,289,606**	**29,717,358**	**21,835,070**	**18,363,979**	**13,282,834**	**386,457,878**

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 14

Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1967

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Barracuda, California	----	490	547	882	34,186	39,456	6,246	7,957	133	49	265	50	90,261
Bonito, Pacific	669	387	967	340	245	5,327	58,370	911,879	1,423,541	2,664	321	1,610	2,406,320
Cabezon	----	----	----	----	----	----	----	----	----	----	11	----	11
Croaker, white	102	390	353	154	445	126	102	67	184	584	722	927	4,156
Flyingfish	----	----	----	----	----	----	1,350	130	----	----	----	----	1,480
Halfmoon	----	68	----	----	962	147	5,233	6,483	3,100	736	495	651	17,875
Halibut, California	2,855	4,329	2,738	4,109	2,143	3,201	4,920	2,377	5,474	7,359	2,797	1,657	43,959
Lingcod	28	95	44	----	21	----	----	----	68	35	18	14	323
Mackerel, Pacific	----	490	1,677	48	918	1,212	1,557	16,326	----	836	532	----	23,596
Opaleye	----	24	----	----	40	----	----	----	----	----	219	125	408
Perch	297	684	857	1,895	1,368	509	1,194	764	527	876	1,176	306	10,453
Pompano, Pacific	----	----	----	----	----	----	----	----	----	----	----	33	33
Rockfish	31,828	49,039	40,138	33,616	51,183	43,342	26,816	21,125	12,242	21,365	16,874	20,748	368,316
Sablefish	----	----	----	----	20	53	----	246	----	----	----	----	319
Salmon	----	----	----	----	----	1,129	----	12	----	----	----	----	1,141
Sanddab	----	----	----	----	----	10	----	----	----	----	312	70	392
Sardine	----	----	----	----	9,500	----	14	----	----	----	----	----	9,514
Sculpin	8,658	10,763	2,216	1,745	2,480	6,205	8,236	4,129	138	464	3,056	1,072	49,162
Sea bass, giant	124	----	655	290	658	1,170	556	240	149	166	109	583	4,700
Seabass, white	5,466	3,109	1,553	4,186	20,820	9,726	3,966	11,367	2,877	1,399	477	1,087	66,033
Shark	9,868	1,455	2,584	3,161	9,039	10,686	11,710	9,502	7,754	12,586	6,179	12,062	96,586
Sheephead, California	356	212	282	2,490	310	1,318	459	896	266	4,226	2,433	14	13,262
Smelt	274	----	----	144	----	----	250	395	----	----	156	163	1,382
Sole, miscellaneous	10	50	186	103	1,157	2,103	2,691	2,383	640	821	148	58	10,350
Swordfish	----	----	----	----	----	----	2,222	6,808	13,471	109	----	----	22,610
Tuna, albacore	----	----	----	----	----	----	456,260	505,970	214,905	257,320	21,636	----	1,456,091
Tuna, bigeye	----	----	----	----	----	----	----	2,779	----	----	----	----	2,779
Tuna, bluefin	----	----	----	----	----	----	----	44,478	4,572	251	----	----	49,301
Tuna, skipjack	----	----	----	----	----	----	----	9,449	----	12	----	----	9,461
Turbot	----	----	----	----	----	----	----	----	105	126	----	----	231
Whitefish, ocean	105	----	----	----	----	----	----	58	----	----	----	----	163
Yellowtail, California	165	236	1,521	927	274	1,740	2,418	703	260	1,069	178	1,141	10,632
Miscellaneous	15	8	----	----	474	611	15	38	----	309	4	----	1,474
Crustacean:													
Crab, rock	2,756	3,486	756	----	----	----	----	----	----	564	740	1,196	9,498
Lobster, spiny	15,405	8,768	6,749	----	----	----	----	----	----	52,169	32,649	13,474	129,214

Mollusk:													
Abalone	20,695	----	19,103	47,840	88,374	60,862	48,304	43,763	72,390	80,652	61,069	44,367	587,419
Octopus	----	----	----	----	----	----	----	----	----	----	2	4	6
Squid	----	98	----	----	----	----	----	----	----	----	----	----	98
Total pounds	99,676	84,181	82,926	101,930	224,617	188,933	642,889	1,610,324	1,762,796	446,747	152,578	101,412	5,499,009
Waters north of State:													
Fish:													
Tuna, albacore	----	----	----	----	----	----	----	----	46,947	302,320	93,978	----	443,245
Total pounds	----	----	----	----	----	----	----	----	46,947	302,320	93,978	----	443,245
Waters south of State:													
Fish:													
Barracuda, California	1,205	----	----	----	2,339	----	----	51	4,001	8,982	----	2,780	19,358
Bonito, Pacific	3,357	----	----	----	256	----	132,002	617,558	4,559	1,093	----	----	758,825
Croaker, white	----	----	----	----	39	----	----	----	----	- -	----	----	39
Flyingfish	----	----	----	----	----	----	150	1,300	----	----	----	----	1,450
Grouper	11,435	485	----	----	----	389	----	----	----	----	17,538	12,660	42,507
Halibut, California	----	106	144	1,284	588	340	27	3,471	189	27	----	----	6,176
Perch	----	----	----	----	----	----	----	21	----	----	---	----	21
Rockfish	5,128	2,960	10,518	----	334	1,403	60	388	75	302	----	1,305	22,473
Sanddab	----	----	----	----	----	146	----	----	----	----	----	----	146
Sculpin	2	----	18	26	220	13,593	6,195	6,557	----	----	----	----	26,611
Sea bass, giant	14,263	----	3,626	----	6,360	307	----	140	----	542	619	1,540	27,397
Seabass, white	5,474	28	10,675	----	16	----	----	479	2,787	4,680	----	12,374	36,513
Shark	----	----	740	----	2,108	----	1,485	1,174	----	----	----	----	5,507
Sheephead, California	----	----	----	----	60	138	----	560	----	----	----	----	758
Swordfish	----	----	----	----	----	----	190	1,246	----	164	----	----	1,600
Tuna, albacore	----	----	- -	----	- -	----	117,337	102,902	2,033	2,299	----	----	224,571
Tuna, bigeye	----	1,000	---	- -	- -	---	4,102	---	-	-	36,614	- -	41,716
Tuna, bluefin	----	---	---	---	---	450,527	1,793,123	187,425	85,799	26,618	2,036	---	2,545,528
Tuna, skipjack	- -	1,112,287	1,731,995	1,380,645	893,211	3,007,772	2,939,230	3,538,874	3,214,180	5,286,115	4,551,947	2,390,797	30,047,053
Tuna, yellowfin	140	2,337,525	6,629,478	4,539,057	8,742,761	6,197,972	2,324,794	2,020,542	914,125	422,101	725,834	369,082	35,223,411
Turbot	----	----	----	----	106	----	----	---	----	----	----	----	106
Wahoo	----	----	----	----	---	----	----	122	---	- -	- -	---	122
Whitefish, ocean	----	----	----	----	60	----	----	157	----	----	----	----	217
Yellowtail, California	545	14	1,965	17	----	----	----	2,463	1,453	1,468	----	3,615	11,540
Miscellaneous	----	447	----	- -	- -	---	----	- -	---	----	---	---	447
Total pounds	41,549	3,454,852	8,389,159	5,921,029	9,648,458	9,672,587	7,318,695	6,485,430	4,229,201	5,754,391	5,334,588	2,794,153	69,044,092
SHIPMENTS:*													
Fish:													
Tuna, albacore	293,380	1,201,922	200,725	---	535,409	----	300,680	459,516	2,487,654	888,796	324,646	----	6,692,728
Tuna, yellowfin	605,219	402,193	40,478	150,431	----	156,162	- -	- -	1,423,692	93,379	-	- -	2,871,554
Total pounds	898,599	1,604,115	241,203	150,431	535,409	156,162	300,680	459,516	3,911,346	982,175	324,646	- -	9,564,282
Grand total	**1,039,824**	**5,143,148**	**8,713,288**	**6,173,390**	**10,408,484**	**10,017,682**	**8,262,264**	**8,555,270**	**9,950,290**	**7,485,633**	**5,905,790**	**2,895,565**	**84,550,628**

* For origin of shipments refer to Table 6. Beginning in1965 only tuna shipments are recorded.

TABLE 15

Value of Landings and Shipments of Commercial Fish Into California by Area, 1967

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:							
Fish:							
Anchovy	----	35,099	16,753,584	8,289,185	44,531,509	----	69,609,377
	----	$5,086	$161,623	$79,648	$455,008	----	$701,365
Barracuda, California	----	----	----	1,292	202,273	109,619	313,184
	----	----	----	$285	$33,468	$16,698	$50,451
Blacksmith	----	----	----	----	7,620	----	7,620
	----	----	----	----	$171	----	$171
Bonito, Pacific	622	546	5,447	238,041	17,809,630	3,165,145	21,219,431
	$37	$33	$437	$7,273	$749,312	$134,350	$891,442
Cabezon	8	590	7,413	6,262	----	11	14,284
	$1	$12	$486	$234	----	$1	$734
Carp	----	348,231	----	----	300	----	348,531
	----	$28,391	----	----	$26	----	$28,417
Croaker, white	----	19,780	160,460	1,213	310,769	4,195	496,417
	----	$2,472	$11,682	$63	$24,530	$475	$39,222
Flounder	325,196	440,328	77,973	27,210	----	----	870,707
	$16,401	$30,299	$6,524	$2,053	----	----	$55,277
Flounder, arrowtooth	4,556	1,485	----	----	----	----	6,041
	$228	$34	----	----	----	----	$262
Flyingfish	----	----	----	----	43,714	2,930	46,644
	----	----	----	----	$5,395	$335	$5,730
Grouper	----	----	----	----	147,692	42,507	190,199
	----	----	----	----	$31,388	$9,453	$40,841
Hake, Pacific	760	200	3,250	10,025	195	----	14,430
	$30	$2	$74	$201	$2	----	$309
Halfmoon	----	----	----	----	7,556	17,875	25,431
	----	----	----	----	$1,858	$3,474	$5,332
Halibut, California	----	264,960	100,622	304,967	117,374	50,135	838,058
	----	$65,884	$24,277	$86,240	$35,466	$15,100	$226,967
Halibut, Pacific	498	----	----	----	----	----	498
	$160	----	----	----	----	----	$160
Hardhead	----	218,604	----	----	----	----	218,604
	----	$19,836	----	----	----	----	$19,836
Herring, Pacific	----	20,967	250,935	----	----	----	271,902
	----	$8,745	$22,859	----	----	----	$31,604
Hitch	----	13,317	----	----	----	----	13,317
	----	$333	----	----	----	----	$333
Lingcod	593,206	210,788	80,266	53,217	855	323	938,655
	$46,095	$18,081	$8,698	$4,724	$127	$38	$77,763
Mackerel, bullet	----	----	----	----	13,400	----	13,400
	----	----	----	----	$268	----	$268
Mackerel, jack	550	210	934,752	4,031,725	33,213,310	----	38,180,547
	$24	$9	$36,556	$150,343	$1,259,932	----	$1,446,864
Mackerel, Pacific	----	----	----	6,700	1,136,311	23,596	1,166,607
	----	----	----	$394	$70,854	$1,741	$72,989
Opaleye	----	----	----	----	16,890	408	17,298
	----	----	----	----	$3,627	$54	$3,681
Perch	65,147	24,062	30,625	34,693	37,512	10,474	202,513
	$11,057	$6,710	$5,326	$7,948	$8,484	$1,941	$41,466
Pompano, Pacific	----	54	61,764	715	49,027	33	111,593
	----	$27	$25,754	$157	$14,668	$4	$40,610
Rockfish	2,427,205	857,448	2,547,229	2,894,871	681,409	390,789	9,798,951
	$135,282	$65,303	$163,718	$162,371	$100,130	$53,451	$680,255
Sablefish	2,300,577	474,786	1,021,201	1,610	----	319	3,798,493
	$241,807	$17,709	$55,341	$98	----	$28	$314,983
Salmon	5,287,540	1,761,930	242,882	107,560	676	1,141	7,401,729
	$2,799,368	$960,775	$130,289	$53,599	$494	$667	$3,945,192
Sanddab	203,166	254,614	227,545	1,189	116	538	687,168
	$17,499	$21,803	$17,098	$104	$21	$142	$56,667
Sardine	----	----	113	7,000	132,139	9,514	148,766
	----	----	$23	$1,400	$27,037	$2,093	$30,553
Sculpin	----	----	----	----	6,883	75,773	82,656
	----	----	----	----	$2,432	$20,913	$23,345
Sea bass, giant	----	----	----	1,609	196,898	32,097	230,604
	----	----	----	$280	$35,003	$5,259	$40,542
Seabass, white	----	570	67,561	122,414	929,668	102,546	1,222,759
	----	$162	$18,291	$37,037	$258,581	$28,859	$342,930
Shark	4,347	84,653	71,197	190,338	144,270	102,093	596,898
	$228	$3,547	$2,301	$19,954	$18,931	$12,054	$57,015
Sheephead, California	----	----	----	1,019	4,589	14,020	19,628
	----	----	----	$61	$400	$1,378	$1,839
Skate	7,930	82,590	103,413	2,618	200	----	196,751
	----	$1,012	$1,827	$212	$20	----	$3,071

* Includes Sacramento area landings.

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish Into California by Area, 1967

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Smelt	267,610	70,813	46,545	----	205,625	1,382	591,975
	$17,356	$10,213	$6,124	----	$6,815	$126	$40,634
Smelt, whitebait	187,242	12,452	----	----	----	----	199,694
	$17,512	$1,778	----	----	----	----	$19,290
Sole, Dover	5,802,720	1,302,445	88,516	21,356	----	----	7,215,037
	$384,843	$75,089	$5,020	$1,282	----	----	$466,234
Sole, English	3,073,892	1,871,503	497,539	378,975	----	----	5,821,909
	$274,057	$168,949	$38,886	$28,439	----	----	$510,331
Sole, petrale	1,577,226	756,694	208,975	225,616	26	----	2,768,537
	$194,372	$101,621	$29,828	$29,382	$4	----	$355,207
Sole, rex	1,180,812	344,247	147,393	93,586	----	----	1,766,038
	$101,114	$29,135	$11,138	$7,735	----	----	$149,122
Sole, sand	3,623	214,989	18,215	69,070	----	----	305,897
	$381	$25,286	$2,174	$8,326	----	----	$36,167
Sole, miscellaneous	58	35	9,686	9,961	1,622	10,350	31,712
	$5	$5	$974	$1,033	$200	$2,528	$4,745
Swordfish	----	----	4,436	95,897	180,524	24,210	305,067
	----	----	$2,367	$49,326	$98,564	$13,554	$163,811
Tuna, albacore	4,853,927	1,516,020	1,202,084	2,825,897	5,336,088	2,123,907	17,857,923
	$898,181	$280,309	$222,265	$522,140	$1,063,628	$420,300	$3,406,823
Tuna, bigeye	----	----	----	----	1,089,930	44,495	1,134,425
	----	----	----	----	$145,602	$5,954	$151,556
Tuna, bluefin	----	----	----	----	11,140,766	2,594,829	13,735,595
	----	----	----	----	$1,362,416	$305,068	$1,667,484
Tuna, skipjack	----	----	291	----	80,899,496	30,056,514	110,956,301
	----	----	$29	----	$8,190,204	$3,053,546	$11,243,779
Tuna, yellowfin	----	----	----	----	105,132,642	35,223,411	140,356,053
	----	----	----	----	$14,399,826	$4,853,556	$19,253,382
Turbot	3,875	63,252	340	5,049	----	337	72,853
	$194	$3,228	$17	$306	----	$51	$3,796
Wahoo	----	----	----	----	860	122	982
	----	----	----	----	$103	$18	$121
Whitefish, ocean	----	----	----	----	679	380	1,059
	----	----	----	----	$49	$24	$73
Yellowtail, California	----	----	----	141	128,355	22,172	150,668
	----	----	----	$24	$13,548	$2,194	$15,766
Miscellaneous	192	10	20	----	80	1,921	2,223
	$11	$1	$1	----	$19	$420	$452
Miscellaneous (animal food)	1,611,792	----	----	984,326	----	----	2,596,118
	$32,132	----	----	$19,686	----	----	$51,818
Crustacean:							
Crab, market	10,772,988	936,354	1,507	5,639	----	----	11,716,488
	$1,762,740	$267,418	$569	$2,240	----	----	$2,032,967
Crab, rock	100	----	221	79,350	235,217	9,498	324,386
	----	----	$8	$5,082	$27,477	$329	$32,896
Lobster, spiny	----	----	----	111,662	209,008	129,214	449,884
	----	----	----	$91,569	$182,091	$114,273	$387,933
Prawn, spot	----	----	2,590	----	----	----	2,590
	----	----	$2,174	----	----	----	$2,174
Prawn, ridgeback	----	----	----	423	----	----	423
	----	----	----	$85	----	----	$85
Shrimp, bay	----	19,771	----	----	----	----	19,771
	----	$4,296	----	----	----	----	$4,296
Shrimp, ocean	1,411,625	888	----	----	----	----	1,412,513
	$163,407	$102	----	----	----	----	$163,509
Mollusk:							
Abalone	----	23,434	525	3,002,380	807,823	587,419	4,421,581
	----	$4,276	$126	$590,470	$156,785	$108,167	$859,824
Clam, unclassified	1,754	----	778	----	----	----	2,532
	$281	----	$195	----	----	----	$476
Octopus	1,791	5,096	1,931	225	145	6	9,194
	$74	$204	$286	$22	$36	$1	$623
Oyster, eastern	----	12,710	----	----	----	----	12,710
	----	$37,681	----	----	----	----	$37,681
Oyster, giant Pacific	454,641	185,693	----	89,097	----	----	729,431
	$105,704	$43,174	----	$20,715	----	----	$169,593
Squid	----	----	11,233,271	2,592,543	5,776,010	98	19,601,922
	----	----	$300,123	$38,696	$98,937	$10	$437,766
Total pounds	42,427,176	12,452,218	36,213,095	26,926,666	310,887,681	74,986,346	503,893,182
Total value	$7,220,581	$2,309,030	$1,315,488	$2,031,237	$28,883,937	$9,188,627	$50,948,900

* Includes Sacramento area landings.

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish Into California by Area, 1967

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
SHIPMENTS†:							
Fish:							
Tuna, albacore	----	----	----	----	**47,197,034**	**6,692,728**	**53,889,762**
	----	----	----	----	$12,042,104	$1,743,882	$13,785,986
Tuna, bigeye	----	----	----	----	**346,736**	----	**346,736**
	----	----	----	----	$55,937	----	$55,937
Tuna, skipjack	----	----	----	----	**4,002,499**	----	**4,002,499**
	----	----	----	----	$522,832	----	$522,832
Tuna, yellowfin	----	----	----	----	**24,023,928**	**2,871,554**	**26,895,482**
	----	----	----	----	$5,481,928	$651,973	$6,133,901
Total pounds	----	----	----	----	**75,570,197**	**9,564,282**	**85,134,479**
Total value	----	----	----	----	$18,102,801	$2,395,855	$20,498,656
GRAND TOTAL POUNDS	**42,427,176**	**12,452,218**	**36,213,095**	**26,926,666**	**386,457,878**	**84,550,628**	**589,027,661**
GRAND TOTAL VALUE	$7,220,581	$2,309,030	$1,315,488	$2,031,237	$16,986,738	$11,584,482	$71,447,556

* Includes Sacramento area landings.

† For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 16

Value of Landings by Port, Eureka Area, 1967

	Value	Pounds
Eureka		
Salmon	$1,096,856	2,030,084
Market crab	753,391	4,604,352
Albacore	508,607	2,748,600
Giant Pacific oyster	105,704	454,641
Dover sole	54,175	816,861
Sablefish	46,991	447,075
English sole	23,308	261,428
Petrale sole	21,761	176,582
Ocean shrimp	19,249	166,285
Rex sole	17,119	199,915
Rockfish	16,791	311,821
Perch	5,476	31,273
All other species	10,775	155,178
Port totals	$2,680,203	12,404,095
Fort Bragg		
Salmon	$802,494	1,514,794
Albacore	385,017	2,080,701
Sablefish	136,932	1,302,788
Market crab	84,691	517,587
Dover sole	80,054	1,207,065
Petrale sole	65,420	530,848
Rockfish	63,485	1,104,461
English sole	59,199	663,991
Rex sole	31,949	373,097
Lingcod	20,864	268,501
Miscellaneous (animal food)	10,994	551,477
Whitebait smelt	5,203	55,632
All other species	9,090	122,285
Port totals	$1,755,392	10,293,227
Crescent City		
Market crab	$778,541	4,758,052
Salmon	661,790	1,282,953
Ocean shrimp	144,126	1,245,065
English sole	76,014	852,595
Rockfish	17,032	306,451
Sablefish	15,212	144,726
Petrale sole	14,900	120,908
Rex sole	9,098	106,247
Flounder	9,093	180,296
Lingcod	6,921	89,067
All other species	17,898	180,093
Port totals	$1,750,625	9,266,453
Fields Landing		
Dover sole	$247,032	3,724,780
English sole	115,536	1,295,878
Petrale sole	92,291	748,888
Market crab	69,176	422,771
Rex sole	42,948	501,553
Sablefish	42,672	405,988
Rockfish	37,882	702,808
Miscellaneous (animal food)	21,138	1,060,315
Lingcod	14,884	191,545
Salmon	14,863	28,807
Smelt	11,301	172,555
Sanddab	7,491	86,969
Flounder	6,275	124,424
Whitebait smelt	6,184	66,120
All other species	3,811	23,980
Port totals	$733,484	9,557,381
Trinidad		
Salmon	$82,696	169,936
Market crab	75,893	463,821
Port totals	$158,589	633,757

TABLE 16—Continued

Value of Landings by Port, Eureka Area, 1967

	Value	Pounds
Albion		
Salmon	$83,052	156,628
All other species	1,254	9,125
Port totals	$84,306	165,753
Point Arena		
Salmon	$57,589	104,278
All other species	344	1,862
Port totals	$57,933	106,140
All other ports		
All species	$49	370
Totals	$49	370
EUREKA AREA TOTALS	**$7,220,581**	**42,427,176**

TABLE 17

Value of Landings by Port, San Francisco Area, 1967 *

	Value	Pounds
San Francisco		
Market crab	$138,804	486,016
English sole	102,060	1,130,549
Salmon	98,384	175,352
Petrale sole	74,450	554,372
Dover sole	61,791	1,071,778
Rockfish	47,041	674,379
California halibut	36,722	147,680
Sand sole	22,932	194,969
Flounder	22,431	325,975
Sanddab	16,711	195,149
Sablefish	15,566	417,333
Rex sole	14,718	173,899
Lingcod	11,846	138,103
All other species	19,883	249,175
Port totals	$683,339	5,934,729
Bodega Bay		
Salmon	$426,960	788,879
English sole	58,213	644,847
Market crab	56,270	197,028
Albacore	56,178	303,831
Petrale sole	20,015	149,037
Rockfish	13,336	115,646
Rex sole	12,127	143,286
Dover sole	11,852	205,582
Smelt	8,240	54,358
All other species	13,775	182,062
Port totals	$676,966	2,784,556
Sausalito		
Salmon	$140,345	269,221
Albacore	110,412	597,151
Market crab	26,357	92,288
All other species	8,778	44,134
Port totals	$285,892	1,002,794
Point Reyes		
Salmon	$141,458	254,494
Giant Pacific oyster	35,484	152,620
Market crab	29,312	102,634
English sole	8,616	95,445
Petrale sole	7,156	53,285
All other species	22,961	285,001
Port totals	$244,987	943,479
Oakland		
Albacore	$109,501	592,224
Salmon	52,225	93,308
All other species	1,712	8,373
Port totals	$163,438	693,905
Princeton		
Salmon	$94,357	168,077
California halibut	24,491	98,492
Market crab	16,618	58,188
All other species	6,774	74,874
Port totals	$142,240	399,631
Tomales Bay		
Eastern oyster	$37,681	12,710
Giant Pacific oyster	7,690	33,073
All other species	4,977	28,055
Port totals	$50,348	73,838

TABLE 17—Continued

Value of Landings by Port, San Francisco Area, 1967 *

	Value	Pounds
Clear Lake		
Carp	$24,708	303,058
Hardhead	19,636	216,401
All other species	333	13,317
Port totals	$44,677	532,776
Berkeley		
Salmon	$6,628	11,853
All other species	1,488	5,003
Port totals	$8,116	16,856
All other ports		
All species	$9,027	69,654
Totals	$9,027	69,654
SAN FRANCISCO AREA TOTALS	**$2,309,030**	**12,452,218**

* Includes Sacramento area landings.

TABLE 18

Value of Landings by Port, Monterey Area, 1967

	Value	Pounds
Moss Landing		
Albacore	$163,940	886,645
Anchovy	138,232	14,328,844
Salmon	80,560	149,689
Rockfish	64,586	1,061,562
Squid	63,160	2,364,014
Jack mackerel	35,092	897,340
Pacific herring	22,334	245,175
White seabass	16,930	62,534
English sole	16,131	206,395
Petrale sole	11,768	82,450
Sanddab	8,907	118,535
Pacific pompano	8,618	20,668
Sablefish	5,671	104,646
Rex sole	5,593	74,017
All other species	27,019	317,214
Port totals	$668,541	20,919,728
Monterey		
Squid	$236,958	8,869,082
Rockfish	98,823	1,481,790
Albacore	55,868	302,151
Sablefish	49,670	916,555
Salmon	28,284	50,948
Anchovy	23,360	2,421,490
English sole	22,752	291,109
Petrale sole	18,056	126,500
California halibut	13,594	56,343
Sanddab	8,168	108,700
Rex sole	5,545	73,376
White croaker	5,006	68,764
All other species	21,109	257,241
Port totals	$587,193	15,024,049
Santa Cruz		
Salmon	$21,445	42,245
Pacific pompano	16,804	40,299
California halibut	9,026	37,411
All other species	12,479	149,363
Port totals	$59,754	269,318
MONTEREY AREA TOTALS	**$1,315,488**	**36,213,095**

TABLE 19

Value of Landings by Port, Santa Barbara Area, 1967

	Value	Pounds
Morro Bay		
Albacore	$463,921	2,510,808
Abalone	273,133	1,397,207
Rockfish	88,393	1,590,161
Jack mackerel	40,582	1,088,280
Giant Pacific oyster	20,715	89,097
California halibut	12,295	43,480
Salmon	11,180	20,808
Petrale sole	9,112	69,971
Perch	6,530	28,610
White seabass	6,466	21,371
Miscellaneous (animal food)	4,749	237,468
All other species	18,146	184,179
Port totals	$955,222	7,281,440
Santa Barbara		
Abalone	$263,268	1,330,278
Spiny lobster	69,636	84,916
Rockfish	59,520	1,060,279
California halibut	45,363	160,416
Swordfish	42,018	81,691
English sole	17,103	227,918
Shark	15,421	149,521
White seabass	14,045	46,419
Miscellaneous (animal food)	13,851	692,539
Petrale sole	11,818	90,745
All other species	14,800	225,742
Port totals	$566,843	4,150,464
Port Hueneme		
Jack mackerel	$109,761	2,943,445
Anchovy	79,648	8,289,185
Squid	38,696	2,592,543
Spiny lobster	17,137	20,897
California halibut	12,291	43,465
Abalone	7,865	38,947
All other species	13,552	215,336
Port totals	$278,950	14,143,818
Avila		
Albacore	$57,675	312,143
Abalone	43,907	224,616
Salmon	40,912	84,193
White seabass	14,224	47,012
Rockfish	12,732	213,300
California halibut	11,243	39,757
Petrale sole	8,305	63,773
Sand sole	7,870	65,285
English sole	7,482	99,708
All other species	9,806	145,502
Port totals	$214,156	1,295,289
Oxnard		
All species	$8,829	22,644
Port totals	$8,829	22,644
All other ports		
California halibut	$5,039	17,818
All other species	2,198	15,193
Totals	$7,237	33,011
SANTA BARBARA AREA TOTALS	**$2,031,237**	**26,926,666**

TABLE 20

Value of Landings and Shipments by Port, Los Angeles Area, 1967

	Value	Pounds
Terminal Island		
Landings:		
Yellowfin tuna	$14,353,346	104,793,296
Skipjack tuna	8,189,937	80,896,856
Bluefin tuna	1,283,708	10,497,153
Albacore	1,043,649	5,235,857
Jack mackerel	942,982	24,858,836
Pacific bonito	520,164	12,363,227
Anchovy	429,343	42,019,760
Bigeye tuna	145,602	1,089,930
Squid	67,635	3,948,575
Pacific mackerel	14,324	229,716
All other species	1,927	9,560
Total landings	$26,992,617	285,942,766
Shipments:*		
Albacore	$12,042,104	47,197,034
Yellowfin tuna	5,481,928	24,023,928
Skipjack tuna	522,832	4,002,499
Bigeye tuna	55,937	346,736
Total shipments	$18,102,801	75,570,197
Port totals	$45,095,418	361,512,963
San Pedro		
Landings:		
White seabass	$245,128	881,299
Pacific bonito	174,694	4,152,123
Abalone	149,023	768,559
Jack mackerel	110,253	2,904,712
Spiny lobster	97,228	111,600
Rockfish	96,382	652,901
Bluefin tuna	78,706	643,598
Swordfish	69,288	126,904
Pacific mackerel	56,247	902,041
Yellowfin tuna	46,480	339,346
Giant sea bass	34,605	194,657
California barracuda	33,171	200,480
Grouper	31,388	147,692
Squid	31,302	1,827,435
California halibut	26,552	87,873
Sardine	25,481	124,533
White croaker	23,329	296,563
Anchovy	17,936	1,755,370
Rock crab	15,802	135,273
Albacore	14,963	75,066
Pacific pompano	14,276	47,717
California yellowtail	13,525	128,139
Shark	8,848	67,504
Flyingfish	5,266	42,668
Smelt	5,256	156,982
All other species	14,206	76,216
Port totals	$1,439,335	16,847,251
Wilmington		
Landings:		
Jack mackerel	$206,621	5,447,760
Pacific bonito	53,843	1,279,745
Anchovy	6,533	639,384
All other species	3,414	65,084
Port totals	$270,411	7,431,973

TABLE 20—Continued

Value of Landings and Shipments by Port, Los Angeles Area, 1967

	Value	Pounds
Newport Beach		
Landings:		
Swordfish	$28,196	51,642
Spiny lobster	20,634	23,684
Shark	9,658	73,521
California halibut	8,896	29,443
White seabass	8,746	31,446
Abalone	6,631	33,307
All other species	4,362	103,135
Port totals	$87,123	346,178
Long Beach		
Landings:		
Spiny lobster	$34,001	39,027
All other species	8,858	88,788
Port totals	$42,859	127,815
Redondo Beach		
Landings:		
Rock crab	$11,600	99,302
Spiny lobster	11,478	13,175
All other species	752	8,558
Port totals	$23,830	121,035
Santa Monica		
Landings:		
Spiny lobster	$8,410	9,653
All other species	6,942	40,593
Port totals	$15,352	50,246
San Clemente		
Landings:		
Spiny lobster	$5,571	6,395
All other species	144	725
Port totals	$5,715	7,120
All other ports		
Landings:		
All species	$6,695	13,297
Totals	$6,695	13,297
LOS ANGELES AREA TOTALS	**$46,986,738**	**386,457,878**

* Beginning in 1965 only tuna shipments are recorded.

TABLE 21

Value of Landings and Shipments by Port, San Diego Area, 1967

	Value	Pounds
San Diego		
Landings:		
Yellowfin tuna	$4,853,542	35,223,306
Skipjack tuna	3,053,532	30,056,380
Albacore	419,904	2,121,904
Bluefin tuna	305,066	2,594,810
Pacific bonito	134,231	3,162,348
Abalone	105,830	575,720
Spiny lobster	95,397	107,870
Rockfish	48,866	357,242
White seabass	28,374	100,822
Sculpin	20,886	75,674
California barracuda	16,332	107,214
California halibut	14,366	47,698
Swordfish	13,554	24,210
Shark	11,674	98,733
Grouper	9,453	42,507
Bigeye tuna	5,954	44,495
Giant sea bass	5,218	31,849
All other species	17,339	124,931
Total landings	$9,159,518	74,897,713
Shipments:*		
Albacore	$1,743,882	6,692,728
Yellowfin tuna	651,973	2,871,554
Total shipments	$2,395,855	9,564,282
Port totals	$11,555,373	84,461,995
Oceanside		
Landings:		
All species	$13,702	71,166
Port totals	$13,702	71,166
Cardiff		
Landings:		
Spiny lobster	$9,331	10,551
Port totals	$9,331	10,551
La Jolla		
Landings:		
Spiny lobster	$6,069	6,862
Port totals	$6,069	6,862
All other ports		
Landings:		
All species	$7	54
Totals	$7	54
SAN DIEGO AREA TOTALS	**$11,584,482**	**84,550,628**

* Beginning in 1965 only tuna shipments are recorded.

TABLE 22

Statewide Commercial Partyboat Catch by Species
(Not including anchored barges)
1958–1967 *

Species	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Barracuda, California	782,723	1,195,585	755,408	391,884	335,507	483,699	303,070	443,304	892,697	470,480
Bass, kelp and sand	653,671	428,426	478,656	613,604	789,149	1,219,344	1,103,394	1,230,313	1,278,939	1,003,914
Bonito, Pacific	422,568	776,386	1,199,919	849,426	798,725	775,719	1,298,804	806,322	644,415	349,952
Cabezon	9,909	5,329	2,516	2,639	4,538	9,726	6,491	7,575	10,293	5,419
Halibut, California	16,192	25,365	48,310	108,011	118,966	125,669	141,465	118,213	88,726	63,582
Lingcod	39,801	31,206	28,232	23,466	25,399	27,513	25,263	33,260	44,676	43,559
Mackerel, jack	27,867	11,820	8,537	28,891	9,029	9,342	6,577	25,619	19,027	16,236
Mackerel, Pacific	136,607	88,952	79,370	113,988	116,738	146,560	101,219	151,896	205,090	108,366
Rockfish	1,561,132	1,177,979	1,015,673	898,641	956,438	962,659	966,801	1,347,430	1,688,718	1,894,057
Salmon	52,676	55,945	37,941	42,965	87,612	72,457	92,021	51,677	70,151	84,946
Sculpin	13,743	11,477	15,111	26,672	33,314	53,896	73,844	71,888	69,851	63,280
Seabass, white	34,039	10,593	15,697	14,082	14,564	19,800	14,901	9,775	3,972	3,385
Sheephead, California	18,120	17,146	11,541	15,210	13,488	18,443	26,822	41,651	52,967	42,676
Tuna, albacore	6,482	39	76,075	184,891	229,314	158,372	112,358	99,771	74,680	96,497
Tuna, bluefin	884	1,330	97	2,268	2,453	737	693	92	1,998	3,166
Whitefish, ocean	6,143	5,608	5,850	6,647	6,157	6,231	6,949	13,810	15,587	18,184
Yellowtail, California	123,384	457,350	254,969	42,367	21,826	45,705	39,104	18,367	80,163	31,392
All others	44,939	28,039	56,132	87,981	92,776	142,630	114,400	163,595	166,470	145,073
Total number of fish	**3,950,880**	**4,328,575**	**4,090,034**	**3,453,633**	**3,655,993**	**4,278,502**	**4,434,176**	**4,634,558**	**5,408,420**	**4,444,164**
Number of angler days†	515,152	557,154	516,255	495,805	----	----	----	----	----	----
Number of anglers	----	----	637,498	593,916	595,866	643,155	695,445	688,103	857,000	780,102

*See Fish Bulletin No. 121 for historical records 1936–1961.
† Not available after 1961.

TABLE 23
Inshore Bait Landings—Pounds and Value—1966

Species	Statewide*	Sacramento	San Francisco and Monterey	Los Angeles	San Diego
Clam					
Freshwater	524,982	519,273	5,709	----	----
	$56,740	$56,001	$739	----	----
Jackknife	62,302	----	----	31,441	30,861
	$33,313	----	----	$18,235	$15,078
Purple	16,799	----	----	13,238	3,561
	$7,929	----	----	$6,458	$1,471
Unclassified	1,035	----	76	6	953
	$1,668	----	$38	$3	$1,627
Crab					
Sand	8,394	----	284	8,100	10
	$12,354	----	$126	$12,220	$8
Shore	26	----	11	15	----
	$184	----	$31	$153	----
Mudsucker, longjaw	175	----	----	----	----
	$49	----	----	----	----
Mussel (bay and rock)	102,644	----	603	88,575	13,466
	$10,379	----	$67	$8,897	$1,415
Perch, shiner	40	----	40	----	----
	$152	----	$152	----	----
Sculpin, staghorn	2,061	710	1,351	----	----
	$6,629	$2,644	$3,985	----	----
Shrimp					
Bay	26,119	24,041	2,078	----	----
	$25,331	$23,304	$2,027	----	----
Ghost	7,780	----	----	5,313	2,467
	$25,592	----	----	$16,573	$9,019
Red	2,356	----	----	2,356	----
	$3,575	----	----	$3,575	----
TOTAL	754,713				
	$183,895				

* Some figures are reported statewide only to avoid revealing the business of an individual in an area.

TABLE 24
Inshore Bait Landings—Pounds and Value—1967

Species	Statewide*	Sacramento	San Francisco and Monterey	Los Angeles	San Diego
Clam					
Freshwater	500,055	500,055	----	----	----
	$52,214	$52,214	----	----	----
Jackknife	53,168	----	----	34,536	18,632
	$30,022	----	----	$20,471	$9,551
Purple	25,110	----	----	9,429	15,681
	$11,989	----	----	$4,701	$7,288
Unclassified	2,908	----	363	560	1,985
	$4,146	----	$91	$85	$3,970
Crab					
Sand	8,303	----	261	8,033	9
	$17,152	----	$116	$17,031	$5
Shore	38	----	----	38	----
	$451	----	----	$451	----
Mudsucker, longjaw	4,742	----	----	----	----
	$4,111	----	----	----	----
Mussel (bay and rock)	95,110	----	163	90,841	4,106
	$9,498	----	$26	$9,018	$454
Perch, shiner	60	----	60	----	----
	$83	----	$83	----	----
Sculpin, staghorn	1,158	1,039	119	----	----
	$3,811	$3,418	$393	----	----
Shrimp					
Bay	37,586	37,586	----	----	----
	$42,669	$42,669	----	----	----
Ghost	2,884	75	----	1,355	1,454
	$10,844	$75	----	$5,388	$5,381
Red	1,561	----	----	1,561	----
	$2,120	----	----	$2,120	----
TOTAL	732,683				
	$189,110				

* Some figures are reported statewide only to avoid revealing the business of an individual in an area.

TABLE 25

Recorded Catch of Live Bait for Saltwater Sportfishing 1963–1967

Species	Thousands of pounds*				
	1963	1964	1965	1966	1967
Anchovy	8,884	10,382	12,296	13,382	10,774
Herring, Pacific	46	18	----	----	----
Mackerel, jack	15	----	----	25	----
Sardine, adult	38	283	66	54	1
Sardine, juvenile	3	1	2	T	T
Miscellaneous†	87	26	82	84	22
Total pounds	9,073	10,710	12,446	13,545	10,797
Number of vessels‡	23	22	24	18	16

* Weights are estimated from voluntary records. They should be regarded as minimal because some fishermen do not supply catch information.

T Less than 500 pounds.

† Consists primarily of queenfish and white croaker.

‡ The number of live bait fishing vessels for which landings were reported. These numbers differ slightly from those in previous catch bulletins, since the earlier landing records, as submitted, sometimes included the catch of more than one boat.

APPENDIX A

TABLE I

California Commercial Troll Salmon Landings by Port-Area, Month and Species, in Pounds * and Numbers—1967

	April		May		June		July		August		September		Season	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Crescent City														
King	38,629	4,261	169,716	19,012	99,096	9,670	92,013	8,190	20,145	1,749	884	208	420,483	43,090
Silver	1,499	299	12,497	2,374	85,211	12,760	587,963	70,382	59,358	6,298	4,499	459	751,027	92,572
Pink	----	----	----	----	4,648	961	106,087	19,289	685	120	23	4	111,443	20,374
Eureka														
King	284,956	29,507	617,352	64,429	339,163	32,552	96,771	7,906	40,840	2,642	7,908	791	1,386,990	137,827
Silver	3,262	648	63,821	12,497	257,831	38,018	353,121	39,989	108,376	11,380	10,327	1,275	796,738	103,807
Pink	----	----	----	----	17,150	4,286	27,885	5,191	64	12	----	----	45,099	9,489
Fort Bragg														
King	32,240	3,122	137,749	12,755	42,968	3,872	297,240	19,273	407,655	27,558	48,199	3,305	966,051	69,885
Silver	125	25	17,388	3,409	85,449	10,835	514,664	52,517	189,446	20,226	730	76	807,802	87,088
Pink	----	----	----	----	63	14	1,788	279	56	11	----	----	1,907	304
San Francisco														
King	135,752	11,228	218,444	17,546	256,398	20,756	168,830	13,229	48,240	3,386	47,562	3,388	875,226	69,533
Silver	868	177	117,252	20,815	470,391	60,877	288,802	30,400	7,059	770	1,370	112	885,742	113,151
Pink	----	----	----	----	709	153	253	36	----	----	----	----	962	189
Monterey														
King	13,182	959	66,819	5,071	78,161	5,412	18,008	1,324	18,961	2,405	22,493	2,378	217,624	17,549
Silver	196	42	13,324	2,481	77,511	10,031	43,036	4,887	457	42	111	9	134,635	17,492
Pink	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Statewide														
King	504,759	49,077	1,210,080	118,813	815,786	72,262	672,862	49,922	535,841	37,740	127,046	10,070	3,866,374	337,884
Silver	5,950	1,191	224,282	41,576	976,393	132,521	1,787,586	198,175	364,696	38,716	17,037	1,931	3,375,944	414,110
Pink	----	----	----	----	22,570	5,414	136,013	24,795	805	143	23	4	159,411	30,356

* Dressed head on.

APPENDIX A

TABLE II

California Ocean Recreational Salmon Landings and Success * by Fishery, Port, Month and Species, in Numbers of Fish—1967

	February			March			April			May			June			July		
	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day
Crescent City																		
Partyboat	0	0	--	0	0	--	0	0	--	1	0	[a]	12	0	0.3	40	333	0.9
Skiff	0	0	--	0	0	--	0	0	--	0	0	--	13	4	0.1	339	2,477	1.0
Eureka																		
Partyboat	0	0	--	0	0	--	0	0	--	29	22	[a]	85	64	0.4	338	1,069	0.7
Skiff	0	0	--	0	0	--	0	0	--	0	0	--	191	109	0.1	1,323	9,602	0.9
Fort Bragg																		
Partyboat	0	0	--	0	0	--	0	0	--	0	31	[a]	0	66	0.2	162	1,194	0.7
Skiff	0	0	--	0	0	--	0	0	--	0	0	--	3	7	0.1	497	3,778	0.6
San Francisco																		
Partyboat	3,970	0	[a]	12,132	0	0.4	5,550	1,949	1.1	3,422	4,355	0.9	3,872	8,618	1.5	6,011	1,898	0.7
Skiff	241	0	[a]	689	0	0.1	433	0	1.2	256	193	0.8	173	549	2.1	0	357	2.0
Monterey																		
Partyboat	54	0	[c]	283	0	[c]	121	176	[c]	968	2,905	[c]	650	133	[c]	856	9	[c]
Skiff	68	0	[c]	360	0	[c]	155	224	[c]	1,236	3,709	[c]	836	147	[c]	1,050	55	[c]
Statewide																		
Partyboat	4,024	0	[b]	12,415	0	0.4	5,671	2,125	1.1	4,420	7,313	0.9	4,619	8,881	1.5	7,407	4,503	0.7
Skiff	309	0	[b]	1,049	0	0.1	588	224	1.2	1,492	3,902	0.8	1,216	816	1.5	3,209	16,269	0.9

APPENDIX A

TABLE II—Continued

California Ocean Recreational Salmon Landings and Success * by Fishery, Port, Month and Species, in Numbers of Fish—1967

	August			September			October			November			Season		
	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day
Crescent City															
Partyboat	55	292	0.9	0	0	--	0	0	--	0	0	--	108	625	0.9
Skiff	203	1,805	0.8	7	10	0.1	0	0	--	0	0	--	562	4,296	0.8
Eureka															
Partyboat	313	534	0.5	12	15	0.2	0	7	[a]	0	3	[a]	777	1,714	0.6
Skiff	869	2,140	0.5	5	65	0.1	0	0	--	0	0	--	2,388	11,916	0.7
Fort Bragg															
Partboat	760	225	0.5	197	51	0.3	0	4	[a]	0	0	--	1,119	1,571	0.6
Skiff	741	600	0.3	218	190	0.1	0	226	0.4	0	0	--	1,459	4,801	0.4
San Francisco															
Partyboat	6,735	68	0.7	7,342	1	0.8	5,196	2	0.4	1,296	0	0.5	55,526	16,891	0.8
Skiff	391	0	0.5	421	0	0.3	300	0	0.2	73	0	0.5	2,977	1,099	0.9
Monterey															
Partyboat	357	4	[c]	50	0	[c]	25	0	[c]	24	0	[c]	3,388	3,227	[c]
Skiff	455	5	[c]	63	0	[c]	31	0	[c]	8	0	[c]	4,262	4,140	[c]
Statewide															
Partyboat	8,220	1,123	0.7	7,601	67	0.8	5,221	13	0.4	1,320	3	0.5	60,918	24,028	0.8
Skiff	2,659	4,550	0.5	714	265	0.2	331	226	0.3	81	0	0.5	11,648	26,252	0.7

* Salmon per angler-day, species combined. [a] No sampling. [b] Data unavailable. [c] Data not comparable to that of other ports or months.

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